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1908

SHIP MASTERS'  
ASSOCIATION

DIRECTORY



*C. A. R. T. A.*

# DIRECTORY

OF NAMES, PENNANT NUMBERS AND ADDRESSES  
OF ALL MEMBERS OF THE

## Ship Masters' Association of the Great Lakes

Also a List of Vessels of the Great  
Lakes, American and Canadian, with  
Names and Addresses of Owners.

Other Information of a Miscellaneous  
Nature of interest in Shipping Circles  
on the Great Lakes : : : : : ; :

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APRIL, 1908

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E. G. Ashley, Grand Financial Secretary, 207 Chamber of Commerce  
TOLEDO

MARINE REVIEW PRINT, CLEVELAND

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S576  
1908

## A Few Introductory Remarks

The Ship Masters' Association at the present time is in a very flourishing condition. During the year 1907 there were 62 new members taken in, and so far in 1908 there have been 54 active members added to the list and 20 associate members. Every member should take an interest in the association and try and see if he cannot get a new member for 1908, and if each one will do this it will bring the association up to about 1,600. Every man holding a master's certificate should be a member for several reasons: First, the social feature is worth the amount it costs every year, especially to those who take advantage of the club rooms that the different lodges have. And then comes the insurance feature. Every man should carry some insurance for the protection of his family. This is one of the best fraternal policies there is, as every member knows just who receives the \$1,000.00, and that it is going to benefit the family of one of his associates and friends.

During the year 1907 only ten assessments were issued, making the \$1,000.00 of insurance cost only \$20, which is very cheap insurance.

I wish to call the members' attention to the fact that any change of address should be sent to the Grand Secretary at once so that there will be no trouble in regard to receiving your mail, and also that the brothers would give prompt attention to their assessments and remit at once, for if they do not they are liable to lay them aside and forget all about them.

I wish also to thank the members very kindly for their active work in getting the contracts and ads for the directory in the hands of the secretary and thereby enabling him to get the book out promptly. As our patrons have been very liberal to us for our 1908 directory, members should use their books and see who their patrons are, and everything being equal members should always give them the preference as we should help those that help us.

I make these few remarks in a kindly spirit and as I think for the interest of the association, and hope they will be received by the members in the same manner.

E. G. ASHLEY,  
Grand Secretary.



CAPT. MURRAY G. MCINTOSH  
Grand President Ship Masters' Association

# GRAND LODGE OFFICERS

**1908**

Grand President .....	M. G. McIntosh.
Grand First Vice President.....	M. S. Peterson.
Grand Second Vice President.....	H. T. Kelley.
Grand Treasurer .....	A. J. McKay.
96 Hazlewood Ave., Detroit, Mich.	
Grand Financial Secretary.....	E. G. Ashley.
207 Chamber of Commerce Bldg., Toledo, O.	
Grand Chaplain.....	Ed. Hendricks.
Grand Marshal.....	A. J. Mahon.
Grand Warden.....	J. B. Lyons.
Grand Sentinel.....	Hector Brown.
1st Past Grand President.....	Alex Clark.
2nd Past Grand President.....	C. E. Benham.
3rd Past Grand President.....	Geo. McCullagh.
4th Past Grand President.....	W. E. Rice.
5th Past Grand President.....	Henry Leisk.
6th Past Grand President.....	A. J. McKay.
7th Past Grand President.....	C. H. Hubbard.
8th Past Grand President.....	J. A. Ward.
9th Past Grand President.....	W. D. Hamilton.
10th Past Grand President.....	H. H. Parsons.
11th Past Grand President.....	J. A. Calbick.
12th Past Grand President.....	W. D. Ames.

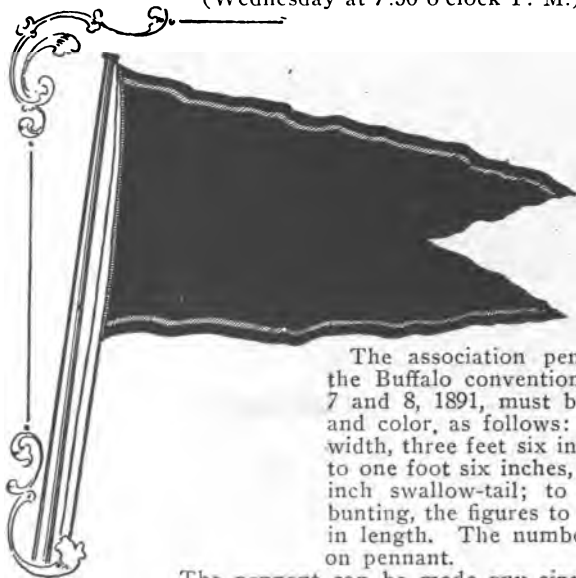
## ADDRESSES OF SECRETARIES

Lodge  
No.

1. Chas. McMillan.....	173 Morgan St., Buffalo, N. Y.
2. J. H. Sinclair.....	1408 Seventh St., Port Huron, Mich.
3. F. B. Higgin.....	Room 224, Postal Telegraph Bldg., Chicago, Ill.
4. J. A. Holmes.....	2064 Cornell Road, Cleveland, O.
6. John McSweeney.....	459 Maryland Ave., Milwaukee, Wis.
7. L. P. Anderholt.....	176 Theodore St., Detroit, Mich.
8. J. E. Cottrell.....	Marine City, Mich.
9. E. G. Ashley.....	207 Chamber of Commerce, Toledo, O.

## ASSOCIATION HEADQUARTERS.

1. Buffalo, N. Y.....Rooms 35-37 Chapin Block, West Swan st.  
(Saturdays at 2:30 o'clock P. M.)
2. Port Huron, Mich...Wm. Jenkinson Block, Military & Water sts.  
(Thursdays at 2:30 o'clock P. M.)
3. Chicago, Ill.....Room 224, Postal Telegraph building.  
(Thursdays at 2 o'clock P. M.)
4. Cleveland, O.....corner Superior and West 3d st.  
(Fridays at 2 o'clock P. M. during winter season.)
6. Milwaukee, Wis.....86 Michigan st., Rooms 40 and 41.  
(Tuesday at 8 o'clock P. M.)
7. Detroit, Mich.....Biddle House Block, 234 Jefferson ave.  
(Tuesdays at 2:30 o'clock P. M. during winter season.)
8. Marine City, Mich.....Zimmerman block, corner Jefferson and Water st.  
(Tuesdays at 7:30 o'clock P. M.)
9. Toledo, O.....207 Chamber of Commerce building.  
(Wednesday at 7:30 o'clock P. M.)



The association pennant, adopted at the Buffalo convention, held January 6, 7 and 8, 1891, must be of uniform size and color, as follows: Length six feet; width, three feet six inches, and tapering to one foot six inches, with an eighteen-inch swallow-tail; to be made of red bunting, the figures to be white, one foot in length. The number of policy to be on pennant.

The pennant can be made any size by giving it the same proportions as above.

Note:—The Grand President requests all members to fly the pennant on their vessels.



A. J. McKAY	HENRY LEISK	J. A. WARD
C. E. BENHAM	ALEX CLARK	GEORGE McCULLAGH
C. H. HUBBARD	W. D. AMES	W. D. HAMILTON
	W. E. RICE	H. H. PARSONS

**Past Presidents, Ship Masters' Association**



GRAND LODGE SHIPMASTERS' ASSOCIATION.

STANDING, READING FROM LEFT TO RIGHT—Ed. Hendricks, chaplain; A. J. Mahon, marshal; James McGinn, delegate; Hector Brown, sentinel; James B. Lyons, warden.

SITTING, READING FROM LEFT TO RIGHT—H. T. Kelley, second vice president; E. G. Ashley, grand financial secretary; M. G. McIntosh, grand president; M. S. Peterson, grand vice president; A. J. McKay, grand treasurer.

# STORM SIGNALS

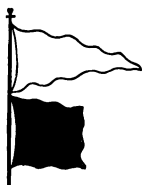
As Displayed on the Great Lakes at United States  
Weather Bureau Stations



N. E. Storm.



S. E. Storm.



N. W. Storm.



S. W. Storm.



Hurricane or very  
severe storm

Information Signals (red or  
white pennant) displayed alone  
have been discontinued.

## EXPLANATION

**STORM SIGNAL.**—A red flag with a black center indicates that a storm of marked violence is expected.

The pennants displayed with the flags indicate the direction of the wind; red, easterly (from northeast to south); white, westerly (from southwest to north). The pennant above the flag indicates that the wind is expected to blow from the northerly quadrants; below, from the southerly quadrants.

By night, a red light indicates easterly winds, and a white light above a red light, westerly winds.

**HURRICANE SIGNAL.**—Two red flags with black centers displayed one above the other, indicate the expected approach of tropical hurricanes, and also of those extremely severe and dangerous storms which occasionally move across the lakes and the northern Atlantic coast. Hurricane warnings are not displayed at night.

1908	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	1908	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
Jan.	--	--	--	1	2	3	4	July	--	--	--	1	2	3	4
	5	6	7	8	9	10	11		5	6	7	8	9	10	11
	12	13	14	15	16	17	18		12	13	14	15	16	17	18
	19	20	21	22	23	24	25		19	20	21	22	23	24	25
	26	27	28	29	30	31	--	Aug.	26	27	28	29	30	31	--
Feb.	--	--	--	--	--	--	1		--	--	--	--	--	--	1
	2	3	4	5	6	7	8		2	3	4	5	6	7	8
	9	10	11	12	13	14	15		9	10	11	12	13	14	15
	16	17	18	19	20	21	22		16	17	18	19	20	21	22
	23	24	25	26	27	28	29		23	24	25	26	27	28	29
	--	--	--	--	--	--	--		30	31	--	--	--	--	--
Mar.	--	--	--	--	--	--	--	Sept.	--	--	--	--	--	--	--
	1	2	3	4	5	6	7		--	--	1	2	3	4	5
	8	9	10	11	12	13	14		6	7	8	9	10	11	12
	15	16	17	18	19	20	21		13	14	15	16	17	18	19
	22	23	24	25	26	27	28		20	21	22	23	24	25	26
	29	30	31	--	--	--	--		27	28	29	30	--	--	--
April	--	--	--	1	2	3	4	Oct.	--	--	--	--	1	2	3
	5	6	7	8	9	10	11		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	--	--		25	26	27	28	29	30	31
May	--	--	--	--	--	1	2	Nov.	1	2	3	4	5	6	7
	3	4	5	6	7	8	9		8	9	10	11	12	13	14
	10	11	12	13	14	15	16		15	16	17	18	19	20	21
	17	18	19	20	21	22	23		22	23	24	25	26	27	28
	24	25	26	27	28	29	30		29	30	--	--	--	--	--
	31	--	--	--	--	--	--		--	--	--	--	--	--	--
June	--	1	2	3	4	5	6	Dec.	--	--	1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	--	--	--	--		27	28	29	30	31	--	--



# **The Ship Masters' Association**

## **ITS AIMS AND OBJECTS WHO ARE ITS MEMBERS EXTRACTS FROM CONSTITUTION**

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### **ARTICLE I.—PURPOSE OF THE ASSOCIATION.**

Sec. 2. The purpose of this association shall be to improve and elevate the character of its members, to create a brotherly feeling, to visit the sick, render necessary assistance in case of death, to provide for a beneficiary fund, and to pay the same to the family of deceased members, or as may be otherwise directed.

### **ARTICLE V.—MEMBERSHIP.**

Sec. 1. Every applicant for membership in this association shall hold a master's certificate issued by the United States government, in force at the date of his becoming a member. He must also have been actively engaged in sailing within a period of two years prior to the date of his application for membership.

# **NAMES AND ADDRESSES OF MEMBERS, SHIP MASTERS' ASSOCIATION.**

## **Pennant.**

996	Ackerman, J. C.	202 North Main st.	Ludington, Mich.
1098	Ainsworth, Chas.	.....	Algonac, Mich.
1334	Akers, E. C.	817 Park st.	Port Huron, Mich.
1116	Allen, C. L.	.....	Port Dalhousie, Ont.
1038	Allen, Sam'l C.	The Kennedy, Detroit ave. and W. 65th st.,	Cleveland, O.
1328	Ames, Augustus	.....	Algonac, Mich.
1620	Ames, Geo. W.	1449 W. 75th st.	Cleveland, O.
307	Ames, Wm. D.	3040 Detroit st.	Lakewood, O.
1411	Anderholt, L. P.	176 Theodore st.	Detroit, Mich.
1368	Anderson, Chas. A.	1369 Bonny View ave.,	Lakewood, O.
115	Anderson, E. B.	Box 114.	Owen Sound, Ont.
1513	Anderson, Gus. E.	736 32nd st.	Milwaukee, Wis.
570	Anderson, Jos.	1363 W. 45th st.	Cleveland, O.
1321	Anderson, M.	1064 E. 99th st.	Cleveland, O.
488	Anderson, O. N.	333 Greenbush st.	Milwaukee, Wis.
1641	Anderson, Peter A.	Bonny View ave.	Lakewood, O.
1498	Anderson, Sig.	2 Sherman st., care of Calbick & Co.,	Chicago, Ill.
1319	Anderson, Wm.	2 Sherman st., Room 24,	Chicago, Ill.
1569	Archer, A. A.	177 Dragoon ave.	Detroit, Mich.
253	Armstrong, B.	669 Sheridan ave.	Detroit, Mich.
854	Ashley, Ed. G.	207 Chamber of Commerce,	Toledo, O.
1671	Ashley, W. A.	262 Pennsylvania ave.,	Detroit, Mich.
1242	Atwill, John	.....	Marine City, Mich.
737	Atwood, Sam'l N. R.	F. D. No. 1, Box 70.	Exeter, Mo.
1689	Ayttersson, Chas.	536 Orleans St.,	Detroit, Mich.
1454	Bailey, F. A.	.....	Vermillion, O.
614	Bailey, Robert N.	Hicks & Clinton sts.	Toledo, O.
1592	Bain, A. J.	111 Pelissier st.	Windsor, Ont.
1397	Baker, Burton S.	418 E. Fort st.	Detroit, Mich.
1356	Baker, H. W.	601 Baker st.	Detroit, Mich.
1137	Balfour, C. C.	606 2nd ave.,	Detroit, Mich.
222	Ballentine, E. D.	care of Soo Lock Office,	Sault Ste. Marie, Mich.
1423	Banker, G. H.	11320 Knowlton ave.,	Cleveland, O.
1610	Barclay, John	380 Hudson st.	Buffalo, N. Y.

# NAMES AND ADDRESSES.

## Pennant.

1632	Barnes, Chas.	E.R. F. D., No. 4,	Birmingham, Mich.
1384	Bartel, A. E.	2167 W. 65th st.	Cleveland, O.
514	Beckley, John	C.1312 Vliet st.	Milwaukee, Wis.
1366	Beggs, David	1047 W. Taylor st.	Chicago, Ill.
1090	Beggs, Thos.	1329 W. 87th st.	Cleveland, O.
698	Bell, Geo. A.	.....	Vermillion, O.
1488	Benson, B. A.	.....	Marine City, Mich.
234	Benham, C. E.	411 Perry-Payne bldg.,	Cleveland, O.
427	Benham, Chas. A.	2119 W. 98th st.	Cleveland, O.
1499	Benham, G. E.	2054 W. 100th st., N. W.	Cleveland, O.
982	Benham, Wm. P.	1342 W. 111th st.	Cleveland O.
1525	Bennett, G. J.	15 Bridge st., Ashtabula	Harbor, O.
978	Bennett, Henry	640 Madison ave.	Milwaukee, Wis.
1021	Bennett, Jas. S.	Lock Box 536,	Rochester, Mich.
1126	Benson, Dan.	.....	Prairie Depot, Ohio
1193	Bertrand, Frank	1176 15th st.	Detroit, Mich.
104	Berow, J. H.	R. F. D., No. 5,	Cullman, Ala.
1134	Black, Wm. A.	1436 W. 74th st.	Cleveland, O.
1205	Blattner, W. H.	.....	Vermillion, O.
96	Bordeaux, D. O.	386 Fourteenth st.	Buffalo, N. Y.
1573	Boggan, Moses	157 Front ave.	Buffalo, N. Y.
1427	Bough, Chas.	121 W. Schuyler st.	Oswego, N. Y.
1068	Bouille, David	3304 Marvin ave.	Cleveland, O.
1236	Bouille, Pierre	3304 Marvin ave.	Cleveland, O.
1516	Bourgeois, E. M.	3104 W. 99th st.	Cleveland, O.
505	Boyce, H. M.	631 Superior st.	Milwaukee, Wis.
1101	Burns, John	1017 8th st.	Port Huron, Mich.
1503	Bradshaw, J. L.	1013 Lincoln ave.	Port Huron, Mich.
1061	Brady, Thos. J.	1312 Wabash av.	Detroit, Mich.
1387	Brant, Aug.	1505 W. 28th st.	Cleveland, O.
1605	Bright Wm. T.	659 Hirsch st.	Chicago, Ill.
973	Brion, Jas. W.	care Briggs House.	Chicago, Ill.
1262	Broadbridge, A. T.	.....	Marine City, Mich.
1414	Bronson, C. T.	U. S. Engineers' Office,	Milwaukee.
1255	Brooks, R. H.	1714 W 69h st., N. W.	Cleveland, O.
1651	Brooks, Wm. H.	57 Royal ave.	Buffalo, N. Y.
1646	Brooks, Walter M.	57 Royal ave.	Buffalo, N. Y.
804	Brown, C. T.	care of The Valley Fruit Co.,	Delray, Fla.
1673	Brown, Claud D.		Bay City, Mich.
174	Brown, F. H.	7004 Franklin av.	Cleveland, O.

# NAMES AND ADDRESSES.

## Pennant.

947	Brown, Geo. A.	427 Jackson st.	Sandusky, O.
1198	Brown, Hector	Box 630	Marine City, Mich.
413	Brown, Jas. A.	128 Homer st.	Chicago, Ill.
1531	Brown, Nelson	care of The Gilchrist Trans. Co.,	Cleveland, O.
1485	Brownell, E. H.	666 Dover st.	Milwaukee, Wis.
1691	Brownell, Jos. A.	954 Allis St.,	Milwaukee, Wis.
1083	Brownell, S.	954 Allis st.	Milwaukee, Wis.
709	Bruce, Jas.	206 Lyon st.	Milwaukee, Wis.
1365	Buchanan, Duncancare	F. B. Higgie, 224 Postal Tel.	Chicago, Ill
1542	Buchanan, Jas.	3425 Mapledale ave.	Cleveland, O.
1584	Buckley, J.	48 Mariner st.	Buffalo, N. Y.
995	Budd, Melvin A.	2035 Military st.	Port Huron, Mich.
319	Buie, Daniel	535 60th st.	Englewood, Ill.
1117	Burke, Enos J.	415 Wabash ave.	Detroit, Mich.
1167	Burnham, Geo. H.	207 Chamber of Commerce.	Toledo, O.
1589	Burns, T. C.	1843 W. 50th st.	Cleveland, O.
1294	Burns, John J.	288 14th st.	Buffalo, N. Y.
1177	Burr, James	1718 69th st. N. W.	Cleveland, O.
1577	Burt, G. G.	502 Utah st.	Toledo, O.
227	Buzzard, John	Box 82	Blenheim, Ont.
428	Byers, J. J. C.	224 Forest ave., West.	Detroit, Mich.
1338	Byrns, Howard	1577 E. 93rd st., N. E.	Cleveland, O.
1003	Byrns, Ralph E.	1588 Ansel ave.	Cleveland, O.
290	Call, Richard	3 Fisk st.	Ashtabula, O.
1374	Callam, Alex. C.	.....	Amherstburg, Ont.
1308	Campau, Louis A.	583 Lafayette ave.	Chicago, Ill.
731	Campau, W. H.	442 Staubin ave.	Detroit, Mich.
256	Campbell, J. M.	117 East 8th st.	Michigan City, Ind.
742	Campbell, W. E.	D. B. I. & W. Ferry Co.	Detroit, Mich.
1241	Canartney, M.	715 Franklin ave.	Bay City, Mich.
654	Carney, Jos. J.	511 5th ave.	Detroit, Mich.
1609	Carlisle, T. J.	1018 Poplar st.	Port Huron, Mich.
914	Carloss, W. S.	1977 Randall rd.	Cleveland, O.
149	Carr, Jas.	617 W. 20th st.	Chicago, Ill.
1540	Carr, Whitney	22 Spruce st.	Ashtabula Harbor, O.
797	Carrier, David C.	390 Frederick ave.	Detroit, Mich.
439	Carter, W. J.	91 Huron st.	Milwaukee, Wis.
1495	Cassin, Jas.	824 Vanderburg st.	Port Huron, Mich.
257	Cazellis, R.	863 North Western ave.	Chicago, Ill.
71	Chamberlain, W.	17 47th Place.	Chicago, Ill.

# NAMES AND ADDRESSES.

Pennant.		
1078	Chamberlin, F. D.	172 Alexandrine ave., Detroit, Mich.
1658	Chamberlin, Wm.	
	J.	407 Third st. St. Clair, Mich.
861	Chambers, A. P.	829 Prospect st. Port Huron, Mich.
293	Chapman, C. B.	224 Washington st. Lorain, O.
44	Chapman, A. C.	28 Robinwood ave. Lakewood, O.
1125	Christensen, A.	355 13th ave. Milwaukee, Wis.
1618	Christensen, O.	1245 N. Sawyer ave. Chicago, Ill.
892	Christenson, P.	815 State st. Manitowoc, Wis.
1355	Christie, Chas.	319 Chene st. Detroit, Mich.
1172	Christopher, S.	371 Cortlandt st. Chicago, Ill.
252	Chron, Thomas	223 Adams st. Bay City, Mich.
33	Clark, Alex.	769 Auburn ave. Buffalo, N. Y.
1393	Clark, John C.	..... Sheridan, N. Y.
1085	Clarke, Alex. A.	1086 Trumbull ave. Detroit, Mich.
35	Clarke, Geo. H.	424 Normal ave. Buffalo, N. Y.
1508	Clarke, W. E.	59 Gold st. Buffalo, N. Y.
433	Cleveland, C. R.	3500 Denison ave. S.W., Cleveland, O.
169	Cleveland, G. F.	14074 Euclid ave. E. Cleveland, O.
1244	Clifford, Alex.	878 Fort st., East. Detroit, Mich.
370	Clow, J. M.	1232 Merryman st. Marinette, Wis.
642	Cochrane, David	3530 Ellis ave. Chicago, Ill.
1070	Cody, F. B.	21 Robinwood ave. Lakewood, O.
1438	Colbert, Thos.	1440 East 89th st. Cleveland, O.
1665	Cole, Martin	1522 E. 7th st. Duluth, Minn.
116	Coleman, J. H.	care J. B. Hall, 46 Dun bldg., Buffalo, N. Y.
274	Collier, W. A.	2050 E. 93rd st., S. E. Cleveland, O.
145	Comstock, J. N.	2642 W. R. R. ave. Evanston, Ill.
1563	Conkey, C. M.	718 Erie st. Port Huron, Mich.
1247	Cook, John G.	911 State st., flat 9, Milwaukee, Wis.
1309	Cooke, J. W.	care of Miss Frances Cook, Webers Clothing House, Toledo, O.
1599	Coon, George	441 Cass st. Milwaukee, Wis.
50	Corcoran, Jos.	225 E. 3rd st. Erie, Pa.
738	Cottrell, G. L.	176 Lakeland ave. Lakewood, O.
1257	Cottrell, Jas. E.	Elizabeth st. Marine City, Mich.
1478	Cotton, A. J.	1209 Richardson ave. Port Huron, Mich.
448	Coughlin, Daniel	563 Perry st. Buffalo, N. Y.
194	Cowley, R. J.	585 2nd ave. Lorain, O.
1012	Cowles, Wm. J.	Lakeview Farm, R. F. D. No. 1., Port Hope, Mich.
1447	Craig, J. C.	179 Jannette ave. Windsor, Ont.

# NAMES AND ADDRESSES.

## Pennant.

1135	Craigie, Alex.	Cor. W. 57th and Detroit ave., The Kinsey, Cleveland, O.
1358	Crangle, John	131 Station st. Chicago, Ill.
653	Crawford, C. B.	314 West Boulevard. Detroit, Mich.
936	Crawford, Wm.	R. F. D., No. 2, Box 5, Wheaton, Ill.
1664	Crooker, David M.	2512 Armour st., Port Huron, Mich.
1076	Crosby, Wm. J.	379 Cavalry ave. Detroit, Mich.
1523	Culp, Hamilton	..... Willoughby, O.
1445	Cullnan, John	544 Park ave. Chicago, Ill.
202	Cummings, H.	1369 59th st. Cleveland, O.
827	Cunningham, Jas.	253 Hoyt st. Buffalo, N. Y.
1252	Cunningham, J. J.	1725 Ontario st. Toledo, O.
1154	Curran, David A.	324 Grant st. Buffalo, N. Y.
1583	Cuthbert, H. A.	132 Gordon ave. Cleveland, O.
1360	Dailey, Michael	252 Brady st. Milwaukee, Wis.
1380	Davidson, Lycander	33 Greenwood Terrace. Chicago, Ill.
121	Davis, E. H.	717 Division st. Port Huron, Mich.
138	Davis, Henry W.	6109 Greenfield ave., West Allis, Wis.
1637	Dawley, W. W.	R. F. D., No. 1 Conneaut, O.
1634	D'Clute, H.	517 Jackson st. Sandusky, O.
1633	D'Clute, J. C.	517 Jackson st. Sandusky, O.
950	Decker, W. H.	40 Oregon ave. Chicago, Ill.
983	Detlifs, Emil	3788 W 33rd st., S. W. Cleveland, O.
199	Disher, William	1377 N. Artisian ave. Chicago, Ill.
4	Dissett, John H.	381 Fargo ave. Buffalo, N. Y.
1668	Ditzel, Henry E.	213 16th ave. Duluth, Minn.
1492	Dixon, A.	3049 West 30th st., S. W. Cleveland.
501	Doak, John A.	599 Wentworth ave. Milwaukee, Wis.
1429	Dobson, J. C.	9 Marietta Cleveland, O.
1075	Donaghue, E. J.	11 High st. Detroit, Mich.
1672	Doner, Jas.	107 Church st. Detroit, Mich.
1554	Dooehen, John B.	423 Fargo ave. Buffalo, N. Y.
1539	Dority, Frank A.	1009 Sycamore st. Milwaukee, Wis.
1683	Dorry, B. B.	U. S. str. Crocus, care Light House Inspector, Buffalo, N. Y.
1147	Doville, D. F.	424 Water st. Toledo, O.
1251	Doville, Egbert	424 Water st. Toledo, O.
407	Doville, Jos.	Hotel Doville. Sodus Point, N. Y.
186	Dowdell, P.	6309 Clinton ave. N. W. Cleveland, O.

# NAMES AND ADDRESSES.

## Pennant.

317	Drake, A. B.	97 White Bldg.	Buffalo, N. Y.
128	Driscoll, Dennis	285 Jefferson st.	Buffalo, N. Y.
1059	Driscoll, Jas. H.	1362 W. 112th st.	Cleveland, O.
1670	Drury, John E.	161 Dodge st.	Buffalo, N. Y.
1095	Duddleson, J. W.	729 Maple st.	Sault Ste. Marie, Mich.
532	Duncanson, D. J.	37 Reed pl.	Detroit, Mich.
1467	Dunseith, John	820 Lincoln ave.	Toledo, O.
17	Dunn, John	946 Fillmore st.	Buffalo, N. Y.
1519	Dunn, Thomas	252 E. Utica st.	Buffalo, N. Y.
1534	Dupuy, Fred A.	.....	Marine City, Mich.
678	Durand, H. H.	124 Illinois st.	Toledo, O.
105	Durker, Henry	517 Sacramento ave., near 12th st., Chicago, Ill.	
1566	DuClos, Napoleon	care Tug Office,	Milwaukee, Wis.
1289	Dwelle, A. W.	.....	Kelley's Island, O.
1127	Dyble, Edward	7901 Franklin ave.	Cleveland, O.
628	Eade, A.	"Winecaves,"	Birmingham, Mich.
1425	Edwards, M. L.	675 Osgood st.	Chicago, Ill.
1494	Ehrhart, John W.	General Delivery.	Lorain, O.
1520	Elden, H. E.	805 First National Bank bldg., Chicago, Ill.	
952	Eldredge, H. C.	1296 W. 78th st., N. W.	Cleveland, O.
460	Ellery, Thos. A.	.....	Marysville, Mich.
899	Elliott, A. M.	1429 Wolfram st.	Chicago, Ill.
1363	Elliott, Frank	care Calbick & Co.	Chicago, Ill.
631	Elliott, Lewis	.....	Rome, Mich.
1483	Ellis, F. S.	1348 E. 111th st. N. E.	Cleveland, O.
1630	Ellis, Thos. G.	129 Sandwich st.	Windsor Ont.
1666	England, E. F.	2818 W. 2nd st.	Duluth, Minn.
1219	England, R. W.	1370 W. 112th st.	Cleveland, O.
272	Ennes, C. G.	1226 W. 116th st.	Cleveland, O.
1030	Ennes, C. M.	6809 Clinton ave.	Cleveland, O.
1529	Ennes, Everett	306 Beach Dive st., St. Petersburg, Fla.	
1608	Evans, John	1319 Forest ave.	St. Joseph, Mich.
1536	Evans, Robt. T.	1319 Forest ave.	St. Joseph, Mich.
373	Everett, A.	care F. B. Higgie & Co.	Chicago, Ill.
1361	Faragher, Wm.	7209 Clinton ave. N. W.,	Cleveland, O.
1386	Ferguson, J. A.		Bayfield, Ont.

# NAMES AND ADDRESSES.

## Pennant.

629	Ferguson, R. E.	21 Jannette ave.	Windsor, Ont.
1041	Ferguson, Wm.	7 Robinwood ave.	Lakewood, O.
247	Fick, Frank A.	1638 E. 86th st.	Cleveland, O.
1464	Finegan, O. P.	802 Elk st.	Buffalo, N. Y.
1084	Firby, W. T.	General Delivery	Windsor, Ont.
1446	Fitch, E.	The Franklin, Suite 16,	Franklin ave.
		and Scott st.,	Cleveland, O.
1457	Fitch, Edward	6402 Bridge av. N. W.	Cleveland, O.
341	Fitzgerald, M.	R. F. D. No. 2	Marine City, Mich.
1465	Flaherty, Jos.	6 Terry St.	Mt. Clemens, Mich.
971	Fleck, Jas. A.	1404 6th st.	Port Huron, Mich.
42	Fletcher, Wm.	102 Abbott Road.	Buffalo, N. Y.
451	Flood, G. W.	926 Warren ave.	Chicago, Ill.
1227	Folsum, Frank	C. Marine Savings Bank,	
		Marine City, Mich.	
1417	Forbes, Alexander	71 Hazelwood ave.	Detroit, Mich.
1141	Forton, Frank S.	34 Fessenden st.	Mt. Clemens, Mich.
1629	Fowler, Thomas	926 Willow st.	Port Huron, Mich.
1679	Fowlie, Andrew	.....	Goderich, Ont.
612	Fox, Arthur J.	Foot of First st.	Detroit, Mich.
1576	Fox, J. C.		Put-in-Bay, O.
1026	Fox, Benson	1634 East 86th st.	Cleveland, O.
1389	Fuller, C. E.	246 West Delevan ave.	Buffalo, N. Y.
863	Furtaim, W. H.	341 Mullett st.	Detroit, Mich.
200	Gallagher, A.	334 So. Center ave.	Chicago, Ill.
986	Gallino, A. P.	416 Jay st.	St. Clair, Mich.
1299	Galvin, M. J.	44-46 Pearl st.	Buffalo, N. Y.
1552	Garrity, Thos.	925 Newhall st.	Milwaukee, Wis.
1585	Gatfield, E. D.	.....	Grosse Isle, Mich.
1653	Gebhard, Frank		
	R.	1308 Michigan st.	Buffalo, N. Y.
1684	Geel, Guy G.	934 Howard st.	Port Huron, Mich.
1382	Gegoux, Henry	67 Olivewood ave.	Lakewood, O.
396	Gerlach, Wm.	813 Perry-Payne Bldg.	Cleveland, O.
831	Gillespie, Isaac G.	.....	Port Clinton, O.
73	Gibson, James	692 Prospect ave.	Buffalo, N. Y.
1060	Gibson, Jas. R.	154 Summit st.	Buffalo, N. Y.
1600	Girardin, D. C.	care H. H. Brown	Co., Cleveland, O.
423	Girardin, D. J.	Box 65	Amherstburg, Ont.
1595	Girardin, W. L.	Vance & Co.	Milwaukee, Wis.
1190	Godman, Jas. P.	49 Campbell Park.	Chicago, Ill.
1507	Goodell, F. A.	58 St. James pl.	Buffalo, N. Y.
1054	Goodrow, Frank	475 Cadillac ave.	Detroit, Mich.



# NAMES AND ADDRESSES.

## Pennant.

1403	Goodwin, J. F.	1948 W. 50th st., N. W.	Cleveland, O.
1526	Gordon, D. G.	General Delivery.	Detroit, Mich.
1493	Gould, F. E.	1595 E. 86th st. N. E.	Cleveland, O.
770	Graham, George	433 Prospect ave.	Buffalo, N. Y.
1314	Grant, C. J.	227 Center st.	Conneaut, O.
1588	Grashaw, W.	2500 E. 89th st. S. E.,	Cleveland, O.
120	Grasser, George	Neuva Gerond, Isle of	Pipes, Cuba.
1568	Green, Arnold	811 Potomac ave.	Chicago, Ill.
1016	Green, John D.	955 West ave.	Buffalo, N. Y.
158	Greenley, A. J.	1440 Rockway ave.	Lakewood, O.
1150	Greening, Wm.	215 4th st.	St. Clair, Mich.
714	Griffin, John L.	413 Junean pl.	Milwaukee, Wis.
1535	Gunderson, Gustav	1920 N. Sixth st.	Sheboygan, Wis.
1596	Gustafson, Peter	2237 Carnegie st.	Cleveland, O.
1204	Hahn, Chas. P.	Box 46	Vermillion, O.
627	Hagan, Hugh J.	92 Woodward ave.	Detroit, Mich.
786	Hagan, Wm.	.....	Marine City, Mich.
1686	Hagensen, H. A.	879 N. 43d Ave.,	Chicago, Ill.
170	Hall, John B.	46 Dun bldg.	Buffalo, N. Y.
1153	Hamilton, W. D.	1295 Millard ave.	Chicago, Ill.
1197	Hand, A. S.	.....	Conneaut, O.
1140	Hansen, And. C.	128 Dewitt st.	Buffalo, N. Y.
1456	Hansen, J. F.	1223 Tripp ave.	Chicago, Ill.
1612	Hanson, J. T.	1425 Pleasant st.	Port Huron, Mich.
1636	Harboldt, John	1873 W. 47th st.	Cleveland, O.
1304	Harlow, F. T.	Suite 10, Guernsey Bldg.	Cleveland, O.
553	Harlow, W. J.	515 Mulberry st., Flat 1,	Toledo, O.
641	Harper, George	1509 Marquette ave.,	W. Bay City, Mich.
388	Harrow, W. B.	.....	Payment, Mich.
1324	Harrow, W. G.	434 Brush st.	Detroit, Mich.
155	Hart, Fred. C.	331 Merrick ave.	Detroit, Mich.
1187	Hartman, John J.	45 California st.	Buffalo, N. Y.
506	Hawgood, A. H.	220 Perry-Payne Bldg.	Cleveland, O.
1106	Heaton, C. H.	8011 Elsie ct. N. W.	Cleveland, O.
1527	Hendriksen, Otto	336 Florida st.	Milwaukee, Wis.
1502	Hendricks, Edw'd	1215 Griswold st.	Port Huron, Mich.
1642	Henry, Ed.	1129 Pine st.	Port Huron, Mich.
1029	Herbert, Fred.	55 Gallatin ave.	Buffalo, N. Y.
1497	Herbert, J. G.	care of C. A. Nye,	Hamburgh, N. Y.
1136	Hergenrother, J.	2031 W. 50th st.	Cleveland, O.
826	Herrick, T. C.	3368 Cherry st.	Toledo, O.
235	Higgie, F. B.	1070 W. Van Buren st.	Chicago, Ill.

# NAMES AND ADDRESSES.

Pennant.		
1359	Higgie, J. F.	559 Waller ave. Austin, Ill.
362	Higgins, Thos. J.	141 S. Fifty-third ave. Chicago, Ill.
1421	Hill, Fred. C.	..... Marine City, Mich.
391	Hinslea, C. H.	33 Robinwood ave. Lakewood, O.
1184	Hinslea, Henry	1522 Robinwood ave. Lakewood, O.
1004	Hoag, W. S.	1970 W 44th st. Cleveland, O.
1074	Hoffman, W. H.	915 Larned st. E. Detroit, Mich.
144	Hogan, James	1675 West Monroe st. Chicago, Ill.
22	Hogg, G. L.	4169 S. Halsted st. Chicago, Ill.
666	Holbrook, T. H.	667 Wabash ave. Detroit, Mich.
1370	Hollingshead, Jno.	..... Marine City, Mich.
1042	Holly, Willam	1972 W. 105th st. Cleveland, O.
1553	Holdridge, Geo.	6516 Scovill st. Cleveland, O.
269	Holmes, J. A.	2064 Cornell rd. Cleveland, O.
1602	Holt, James G.	U. S. Lake Survey, Detroit, Mich.
160	Hoover, N. E.	9715 Madison N. W. Cleveland, O.
1547	Hosner, V. L.	110 Walnut st. Ashtabula, O.
1400	Hough, T. M.	2022 Lexington st. Chicago, Ill.
1018	Howard, Martin	924 Warren ave. Chicago, Ill.
1091	Howe, Alfred B.	405 So. Warren st. Dayton, O.
1022	Howell, Paul	227 W. 3rd st. Erie, Pa.
572	Hubbard, C. H.	care U. S. Light-house Insp. Chicago.
1555	Hughes, Henry S.	1129 Gillett st. Port Huron, Mich.
264	Humphrey, W.	H. 558 E. 102nd st. Cleveland, O.
1017	Hunt, W. J.	130 Lauderdale av. Lakewood, O.
593	Huntoon, A. J.	M. C. Slip Dock, Detroit, Mich.
414	Hurlbut, Jesse G.	1251 E. 63rd st. Chicago, Ill.
893	Hursley, J.	126 Park pl. Sault Ste. Marie, Mich.
987	Hutchins, F. G.	..... South Rockwood, Mich.
528	Hutton, Jno. T.	16 N. Wells st. Chicago, Ill.
1443	Iler, Walter C.	212 24th st. Detroit, Mich.
1035	Ingraham, F. E.	500 East Erie ave. Lorain, O.
602	Innes, J. R.	M. C. R. R. Slip Dock, Detroit, Mich.
255	Isbester, J. W.	787 W. Van Buren st., Chicago, Ill.
15	Ivers, John H.	81 Forest ave. Detroit, Mich.
1138	Jackson, Chas. K.	Box 105 Algonac, Mich.
1479	Jackson, R. C.	care Algonac Bank, Algonac, Mich.
1208	Jacobson, J. E.	85 Beach ave. Chicago, Ill.
1234	Jagenow, Wm.	922 Mt. Elliott ave. Detroit, Mich.
481	Jamieson, William	371 20th ave. Milwaukee, Wis.
1614	Jarvis, Fred L.	179 Le May st. Detroit, Mich.

# NAMES AND ADDRESSES.

## Pennant.

359	Jenks, John	5735 Normal ave.	Chicago, Ill.
1191	Jensen, K. A.	70 Kilby st.	Boston, Mass.
1450	Jennings, J. P.	827 W. Van Buren st.	Chicago, Ill.
1131	Jex, N.	1749 Summit st.	Toledo, O.
1603	Johnson, Carl	315 Dickens ave.	Chicago, Ill.
394	Johnson, John	care Great Lakes Towing Co., 210 S. Water st.,	Chicago, Ill.
1556	Johnson, Jno. A.	462 7th ave.	Milwaukee, Wis.
1394	Johnson, Martin	10122 Olivet ave. N. E.	Cleveland, O.
1604	Johnson, Martin	315 Dickens ave.	Chicago, Ill.
1481	Johnson, Wm. H.	.....	Algonac, Mich.
1081	Johnston, Alex.	1009 Ninth st.	Bay City, Mich.
1014	Johnston, Ed.	Box 125	Courtright, Ont.
1330	Johnston, J. M.	1369 Bonny View ave.,	Lakewood, O.
1451	Jones, Harry	136 Woodside ave.	Buffalo, N. Y.
1115	Jones, Jno. F.	104 Olivewood ave.,	Lakewood, O.
1020	Jollie, Richard	.....	Jefferson, O.
1532	Jones, Warren	C. Milwaukee Tug Line,	Milwaukee, Wis.
865	July, E. F.	254 4th ave.	Detroit, Mich.
1690	Kearns, Chas. J.	378 22d St.,	Milwaukee, Wis.
1122	Kearns, Joseph	141 Oak st.	Wyandotte, Mich.
838	Kelley, David	care L. R. Edwards, R. F. D., Route 37, Box 47,	Schoolcraft, Mich.
1578	Kelley, A.	51 Knefick ave.	Buffalo, N. Y.
1442	Keller, A. B.	9406 Lamont st.	Cleveland, O.
1237	Kelley, H. T.	1273 E. 80th st.	Cleveland, O.
1240	Kelley, Jas. W.	2021 Seventh st.	Port Huron, Mich.
884	Kelly, P.	316 First ave.	Milwaukee, Wis.
1606	Kendall, Geo. B.	.....	Algonac, Mich.
89	Kendall, H. J.	Box 32	Marysville, Mich.
1625	Kennedy, James	703 Whitney bldg.	Detroit, Mich.
1650	Kerr, Harry	150 E. Swan st.	Buffalo, N. Y.
409	Kiah, D. A.	46 Franklin st.	Ogdensburg, N. Y.
1229	Kinyon, S. D.	.....	Marine City, Mich.
1266	Kirker, Fred.	R. F. D. No. 4, Box 169,	Los Angeles, Cal.
1388	Klock, Everett M.	.....	Three Mile Bay, N. Y.
1661	Knapp, R. H.	2313 Elk st.	Port Huron, Mich.
1687	Koch, Robert.	348 E. North St.,	Buffalo, N. Y.
545	Kohnert, E. G.	609 31st st.	Chicago, Ill.
1437	Kohnert, J. E.	609 31st st.	Chicago, Ill.
1398	Kotcher, Albert J.	Foot Adair st.	Detroit, Mich.
1243	Kuhn, John	Main & Pearl sts.	Marine City, Mich.

# NAMES AND ADDRESSES.

## Pennant.

1010	Laframboise, Jaccor.	Hall ave. and Clifton blvd., Lakewood, O.
557	Laframboise, Jas.	Amherstburg, Ont.
810	Lalonde, Anty.	1776 Fulton rd. Cleveland, O.
1295	Landfair, B. M.	2710 Lorain ave. Cleveland, O.
1320	Landgraf, Wm. H.	Cor. 4th & Ontario sts. Sandusky, O.
1381	Lamoreaux, Jos.	420 E. Superior st. Chicago, Ill.
960	Lampoh, Jos.	96 Bell ave. Lakewood, O.
697	Landfair, Jno. A.	..... Leslie, Mich.
1617	Lang, Julius	344 Sedgwick st. Chicago, Ill.
1206	Larson, P.	care H. H. Hetler Lumber Co. Chicago, Ill.
1352	Leckie, Frederic	915 Rockefeller Bldg. Cleveland, O.
1678	Lee, Iver M.	1279 6th st. Milwaukee, Wis.
500	Leisk, Henry	Box 412 Wauwatosa, Wis.
498	Leisk, John	755 Smith st. Milwaukee, Wis.
485	Leisk, James	616 Farwell ave. Milwaukee, Wis.
1285	Leith, Alex.	1137 N. Albany ave. Chicago, Ill.
520	Lemay, Timese	188 Putnam ave. Detroit, Mich.
751	Lennon, Wm.	197 W. Seneca Oswego, N. Y.
1688	Leonard, Roy M.	New Baltimore, Macomb Co., Mich.
1662	Leroy, John Smith	90 Maple st. Buffalo, N. Y.
1424	Light, F. W.	3911 Daisy ave. Cleveland, O.
284	Little, C. E.	118 Christian st., N. Tonawanda, N. Y.
461	Little, Nelson	2735 So. Military st. Port Huron, Mich.
119	Little, John W.	718 Division st. Port Huron, Mich.
750	Livingston, W. Jr.	507 Moffatt Block Detroit, Mich.
1079	Lockhart, D. O.	213 Madison st. Sandusky, O.
183	Lockwood, C. W.	R. F. D. No. 1, Box 5. Ashtabula, O.
283	Loftus, H. F.	Geneva Lake Gravel & Sand Co. Walworth, Wis.
603	Lohr, Edward	820 Champlain st. Detroit, Mich.
1559	Lohr, John M.	..... Marine City, Mich.
182	Lowe, J.	4 Mars ave. Lakewood, O.
164	Lowe, J. B.	1783 W. 48th st. N. W. Cleveland, O.
1655	Lowe, John H.	231 Waverly st. Buffalo, N. Y.
1644	Ludington, Lewis	212 Forest st. Detroit, Mich.
1259	Lynn, Daniel R.	558 White st. E. Toledo, O.
1487	Lyons, J. B.	536 Chestnut st. Lorain, O.
197	Lyons, R. J.	313 Erie ave., W. Lorain, O.
868	Lyons, Robt. A.	436 Patterson ave. Chicago, Ill.
1490	Lyons, S. A.	..... Leslie, Mich.

# NAMES AND ADDRESSES.

Pennant.		
192	McAllister, Jas.	Box 457 Fort William, Ont.
1224	McAlpin, Hugh	1794 W. 47th st. Cleveland, O.
1066	McAlpin, Wm.	427 Dragoon ave. Detroit, Mich.
972	McAlpine, Jno.	142 14th ave. Detroit, Mich.
78	McArthur, John	care First National Exchange Bank, Port Huron, Mich.
1100	McAvoy, John	732 Homan ave. Chicago, Ill.
300	McCambridge, T.	Grand Haven, Mich.
1199	McCann, Sam'l B.	Box 348. Marine City, Mich.
1112	McCarthy, D.	70 Kilby st. Boston, Mass.
1031	McCarthy, John	Dominion House. Sandwich, Ont.
1682	McCauley, Corne- lius.	Manitowoc, Wis.
880	McCoy, G. A.	1451 25th st., N. W. Cleveland, O.
513	McCoy, John	667 Mineral st. Milwaukee, Wis.
1551	McGrain, Geo.	88 Harbor st. Cleveland, O.
578	McCullagh, Geo.	77 Alexander ave., E. Detroit, Mich.
542	McDonald, Geo.	303 Hudson ave. Chicago, Ill.
1616	McDonald, Gaf- ton W.	Williams st. Marine City, Mich.
1652	McDonald, Jno. A.	272 W Delivan st. Buffalo, N. Y.
1160	McDonald, J. H.	Box 771 Marine City, Mich.
1462	McDonald, W.	3826 John ave., N. W. Cleveland, O.
250	McDowell, Robt.	2162 W. 26th st. S. W. Cleveland, O.
315	McEachern, A.	553 West ave. Buffalo, N. Y.
1549	McEwen, H. W.	1506 W. 28th st. Cleveland, O.
975	McFarlane, D.	care Dr. Penton. Smyrna, Mich.
327	McFarlane, Dan	347 Grand River ave. Detroit, Mich.
1530	McGannon, W. P.	517 28th st. Chicago, Ill.
1557	McGarry, Geo.	1378 W. 64th st., N. W. Cleveland, O.
1067	McGarry, J.	5814 Ellen ave. Cleveland, O.
988	McGarvey, Wm.	28 W. Trenton st. Cleveland, O.
712	McGinn, James	665 Mineral st. Milwaukee, Wis.
1315	McGregor, Wilson	care Superior Shipbuilding Co., Superior, Wis.
515	McGregor, W. F.	297 Quелlette ave. Windsor, Ont.
1052	McGuire, N.	744 16th st. Detroit, Mich.
1065	McIntosh, J. L.	54 Woodward ave. Detroit, Mich.
767	McIntosh, M. G.	54 Woodward ave. Detroit, Mich.
941	McIntyre, Allen	care F. B. Higgle & Co. Chicago, Ill.
753	McKay, Alex. J.	96 Hazelwood ave. Detroit, Mich.

# NAMES AND ADDRESSES.

## Pennant.

288	McKay, G. P.	R. 212 Western Reserve bldg.	Cleveland, O.
1453	McKay, W. J.	391 Orchard st.	Chicago, Ill.
289	McKeeghan, John	609 Park bldg.	Cleveland, O.
1007	McKenzie, H.	22 Pontiac st.	Detroit, Mich.
856	McKinley, James	1717 Ontario st.	Toledo, O.
1028	McLachlan, Arch.	56 11th st.	Detroit, Mich.
1080	McLachlan, D.	56 11th st.	Detroit, Mich.
755	McLarty, Jas.	417 Avery ave.	Detroit, Mich.
1504	McLean, J. C.	1109 St. Clair st.	Port Huron, Mich.
910	McLean, Wm.	668 16th st.	Detroit, Mich.
1663	McLeod, Donald	55 Auchinvale ave.	Buffalo, N. Y.
771	McMillan, Chas.	173 Morgan st.	Buffalo, N. Y.
214	McNeil, J. S.	605 Adams st., Sault Ste. Marie,	Mich.
1640	McNeill, John	806 Spruce st., Sault Ste. Marie,	Mich.
1619	McQueen, W. S.	130 Kingsbury st.	Chicago, Ill.
1561	McShane, D. W.	Box 152.	Cudahy, Wis.
507	McSweeney, Jno.	459 Maryland ave.	Milwaukee, Wis.
1161	MacDonald, N.	267 Linwood ave.	Detroit, Mich.
1415	MacLachlan, A.H.	1861 W. 47th st. N. W.	Cleveland, O.
543	MacLean, D.	R. F. D. No. 1, Box 79,	Michigan City, Ind.
1433	MacLean, W. J.	621 Wabash ave.	Detroit, Mich.
113	Madden, M. J.	1003 Kearney st.	Port Huron, Mich.
1194	Maddock, J. B.	866 4th ave.	Detroit, Mich.
1203	Maddock, J. C.	866 4th ave.	Detroit, Mich.
891	Madigan, Jas. A.	care Brown & Co.	Buffalo, N. Y.
1073	Mahon, A. J.	443 Military ave.	Detroit, Mich.
1660	Mahon, J. A.	..... Amherstburg, Ont., Can.	
1615	Mahon, M. H.	..... Amherstburg, Ont., Can.	
1351	Mahon, W. M.	5910 Detroit st.	Cleveland, O.
576	Maitland, Henry	1026 Wall st.	Port Huron, Mich.
1449	Maitre, Frank	935 Newhall st.	Milwaukee, Wis.
1082	Mallette, Paul A.	369 Hendricke st.	Detroit, Mich.
176	Mallory, G. B.	Perry-Payne Bldg.	Cleveland, O.
266	Mallory, D. H.	National Bank of Elyria, Elyria, O.	
1594	Maloney, Forest	5910 Detroit ave.	Cleveland, O.
994	Manuel, F. W.	2707 So. Military st.	Port Huron, Mich.
732	Mara, James	465 Military ave.	Detroit, Mich.
1402	Markle, S. J.	38 Hazelwood ave.	Detroit, Mich.
1047	Martin, Edward	308 Purdy st.	Buffalo, N. Y.
749	Massey, J.	1132 Douglas blvd.	Chicago, Ill.
1685	Massey, S. B.	1488 Alameda Ave.,	Cleveland, O.

# NAMES AND ADDRESSES.

## Pennant.

1226	Mattison, E. F.	701 Brooklyn ave.	Detroit, Mich.
477	Maxon, F. C.	83 31st st.	Milwaukee, Wis.
1276	Maxwell, Wm.	.....	Marine City, Mich.
191	May, A. C.	1912 7th st.	Port Huron, Mich.
1473	May, A. T.	579 Congress st.	Detroit, Mich.
1123	Maynes, Dan'l A.	205 Locust st.	Detroit, Mich.
1580	Meeker, S. E.	6808 Fir ave., N. W.	Cleveland, O.
613	Meikleham, Thos.	641 Fernwood ave.	Toledo, O.
1611	Meno, Jos. E.	1038 Water st.	Port Huron, Mich.
1582	Merkel, C. G.	122 Stanton st.	Detroit, Mich.
344	Merritt, G. E.	212 Seyburn ave.	Detroit, Mich.
1175	Millen, P. L.	.....	Romeo, Mich.
671	Millen, Wm. F.	.....	Romeo, Mich.
781	Miller, Alex. B.	Box 564	Marine City, Mich.
695	Miller, C. D.	203 Robinson st.	N. Tonawanda, N. Y.
812	Miller, Hugh O.	100 Main st.	Ogdensburg, N. Y.
1587	Milliken, Wm.	1956 W. 47th st.	Cleveland, O.
1562	Milne, J.	.....	Thornbury, Ont.
736	Minor, F.	R. F. D. No. 2,	Port Huron, Mich.
450	Minsky, J. P.	593 Orchard st.	Chicago, Ill.
1170	Minter, Thos. B.	31 Otis st.	Chicago, Ill.
798	Mitchell, Alfred	1504 to 1508 Rockefeller Bldg.,	Cleveland, O.
302	Mitchell, John	908 Rockefeller bldg.	Cleveland, O.
1155	Montgomery, J. W.	231 Melborn ave.	Detroit, Mich.
1656	Montgomery, W. L.	611 Minnie st.	Port Huron, Mich.
1032	Moody, Chas. E.	92 33rd st.	Milwaukee, Wis.
959	Moody, W. H.	.....	Vermillion, O.
163	Mooney, Edw.	.....	West Park, O.
1675	Mooney, Wm.	.....	West Park, O.
412	Moore, C. K.	6548 Greenwood ave.	Chicago, Ill.
1572	Moore, Frank	.....	Two Harbors, Minn.
254	Moore, H. R.	1551 W. Congress st.	Chicago, Ill.
992	Moore, J. F.	390 Oakley	Chicago, Ill.
1622	Moore, S. S.	233 W. Front st.	Erie, Pa.
355	Morgan, Jas. W.	R. F. D. No. 2,	Geneva, O.
1694	Morrison, J. N.	52 16th st.	Detroit, Mich.
306	Morrison, J. S.	1444 W. 84th st. N.W.	Cleveland, O.
389	Morton, Edward	1304 Rockefeller bldg.	Cleveland, O.
1192	Mosher, Benj.	1721 W. 64th st.	Cleveland, O.
822	Mosier, R. H.	Box 215	Cheboygan, Mich.
339	Mulholland, Matt	8303 Wade Park ave.	Cleveland, O.

# NAMES AND ADDRESSES.

## Pennant

263	Murch, M. H.	19 Mars ave.	Lakewood, O.
108	Murphy, Henry	60 Verplank st.	Buffalo, N. Y.
129	Murphy, S. M.	514½ Lake st.	Ashtabula, O.
189	Murphy, S. N.	191 Lawn st. N. W.	Cleveland, O.
1538	Murdock, Jno. A.	613 5th ave. E.	Ashland, Wis.

1109	Neal, Jas. S.	.....	Marine City, Mich.
1209	Neal, Wm. D.	Box 21	Courtright, Ont.
1674	Ney, C. R.	1515 Lakewood ave.	Lakewood, O.
464	Nicholson, D.	care D. B. I. & W. Ferry Co.,	Detroit, Mich.
151	Nicholson, Wm.	178 Quinby st.	Grand Rapids, Mich.
1	Niland, M.		Cape Vincent, N. Y.
1395	Nordahl, Arnold	2908 Carroll ave.	Cleveland, O.
1623	Norvell, Walker	769 Congress st. E.,	Detroit, Mich.

350	O'Connor, R. O.	525 No. 2nd st.	St. Clair, Mich.
1169	O'Day, Simon	729 Prospect ave.	Buffalo, N. Y.
21	O'Neil, Patrick	93 Rhode Island st.	Buffalo, N. Y.
1179	O'Neill, Patrick	60 Morgan st.	Buffalo, N. Y.
1693	Olsen, Gust.	2298 Whipple St.,	Chicago, Ill.
1444	Olsen, John K.	1229 N. 41st ave.	Chicago, Ill.
358	Olson, O.	7008 Superior ave., N. E.	Cleveland.
1148	Olson, S.	care J. A. Calbick & Co.	Chicago, Ill.
547	Otter, Thos. W.	550 Mineral st.	Milwaukee, Wis.
1128	Owen, J. L.	10937 Detroit ave.,	The Etta, Suite 8, Cleveland, O.
97	Owen, J. Q.	Box 21.	Corunna, Ont.

1482	Packer, Wm. H.	2056 W. 95th st.	Cleveland, O.
544	Page, Hiram C.	.....	Union City, Pa.
1657	Pardy, Robt. H.	710 Bord st.	Port Huron, Mich.
1233	Parsons, D. R.	221 Avery ave.	Detroit, Mich.
1182	Parsons, H. H.	227 Woodland ave.	Detroit, Mich.
1201	Parsons, J.	969 Beankean st.	Detroit, Mich.
1185	Parsson, F.	2065 W. 45th st.	Cleveland, O.
1269	Patterson, Wm.	10455 Ewing ave.	So. Chicago, Ill.
381	Perew, John	686 Prospect ave.	Buffalo, N. Y.
768	Peterson, Andrew	care G. C. Hansen,	Cleveland, O.
694	Peterson, C. A.	112 Reese st.	Sandusky, O.
624	Peterson, H.	2064 Cornell rd.	Cleveland, O.



# NAMES AND ADDRESSES.

## Pennant.

329	Peterson, J. D.	.....	Kelley's Island, O.
1392	Peterson M. S.	94 Triangle st.	Buffalo, N. Y.
716	Peterson, Peter	832 So. Madison st.	Green Bay, Wis.
1329	Peterson, Peter A.	1323 E. 86th st. N. E.	Cleveland, O.
1607	Peterson, T. J.	18 Lake st.	Manistee, Mich.
1558	Philp, Sam'l E.	153 Erie st.	Painesville, O.
1475	Phillips, Geo. L.	1965 W. 50 st.	Cleveland, O.
1524	Pickell, E. S.	Str. City of Erie	Cleveland, O.
801	Pierce, G. W.	.....	Port Hope, Mich.
1667	Pierce, Wm. L.	504 Lake ave.	Duluth, Minn.
1681	Plummer, Wm.	229 Sheffield ave.	Chicago, Ill.
1541	Pocock, H. A.	723 Carry st.	Sault Ste. Marie, Mich.
1039	Post, Jos. W.	.....	Sandusky, O.
140	Powrie, P. F.	1131 Howard st.	Port Huron, Mich.
1344	Preston, Jno. R.	50 Oriental st.	Newark, N. J.
1528	Pringle, Robt. C.	1773 E. 19th st.	Cleveland, O.
229	Pringle, Jno. C.	561 Front st.	St. Clair, Mich.
1515	Pringle, Wm. J.	1794 W 48th st.	Cleveland, O.
1256	Quinlan, Wm.	744 14th ave.	Detroit, Mich.
177	Rae, F. H.	.....	Vermillion, O.
558	Rae, Frank C.	.....	Vermillion, O.
1284	Rains, E. T.	Buffalo Union Furnace Co.	Buffalo, N. Y.
1043	Rand, L. A.	1023 Lake ave.	Wilmette, Ill.
1522	Randall, A. E.	1868 W. 58th st.	Cleveland, O.
1590	Randall, F.	.....	Marysville, Mich.
1435	Rattray, C.	540 Holden ave.	Detroit, Mich.
1434	Recor, Geo. F.	183 Lawton ave.	Detroit, Mich.
1635	Redner, Elmer E.	95 8th st.	Milwaukee, Wis.
1105	Reece, G. O.	1008 Clinton ave.	St. Clair, Mich.
1254	Reed, Wm. A.	R. F. D. No. 10.	Dunkirk, N. Y.
443	Regan, John	4040 Wabash ave.	Chicago, Ill.
1307	Reid, F. H.	1698 W. 69th st.	Cleveland, O.
1171	Reid, Robt., Jr.	1708 Melrose ave.	Chicago, Ill.
28	Reilly, Cornelius	53 Robie ave.	Buffalo, N. Y.
708	Rice, Frank	4208 John ave., N. W.	Cleveland, O.
782	Rice, Phillip	Grand ave., West	Chatham, Ont.
141	Rice, Wm. E.	R. F. D., No. 1, Port Hope	Mich.
133	Richardson, H.	.....	East Aurora, N. Y.
1143	Rinn, W.	R. F. D., No. 4, Harbor Beach	Mich.
287	Roach, P. C.	700 La Salle ave.	Chicago, Ill.

# NAMES AND ADDRESSES.

## Pennant.

591	Roach, Wm.	259 24th st.	Detroit, Mich.
279	Robarge, G. E.	Brown & Co.	Buffalo, N. Y.
902	Robertson, G.	515 Lafayette st.	Grand Haven, Mich.
1283	Robinson, A. R.	10608 Tacoma ave.	N. E. Cleveland, O.
1377	Robinson, Salem	224 Spruce st.	Detroit, Mich.
49	Robinson, Walter	326 15th st.	Buffalo, N. Y.
56	Root, F. D.	.....	Sault Ste. Marie, Mich.
1103	Ross, C. D.	2206 Oak ave.	Newport News, Wis.
1601	Ross, James	12 Lincoln ave.	Walkerville, Ont.
821	Rowan, Murdock	.....	Conneaut Harbor, O.
843	Sage, Geo. V.	655 S. Bridge.	E. Toledo, O.
546	Sanders, Jos.	5208 Tillman ave.	N. W. Cleveland, O.
1088	Sanders, Thos. H.	301 Perry-Payne bldg.	Cleveland, O.
223	Saph, C. M.	care Hotel Edmund	Waukegan, Ill.
1472	Saph, J. P.	316 Fairhome ave.	Lorain, O.
1413	Saunders, Jas. M.	9 Main st.	Buffalo, N. Y.
1163	Sayre, C. E.	.....	Mason, Mich.
1613	Scott, G. H.	834 Pine st.	Port Huron, Mich.
509	Scott, W. B.	488½ Walker st.	Milwaukee, Wis.
496	Schwerman, Fred.	R. F. D. No. 3.	Sta. D. Milwaukee, Wis.
1313	Secord, C. D.	39 Holland pl.	Buffalo, N. Y.
1228	Shackett, Henry	Main st.	Marine City, Mich.
1230	Shackett, J. M.	Elizabeth st.	Marine City, Mich.
1571	Shacket, Wm. F.	Box 719	Marine City, Mich.
1202	Shafer, A. H.	444 Canton ave.	Detroit, Mich.
1648	Shaw, Edw. L.	406 Oak st.	Buffalo, N. Y.
799	Shaw, Geo. A.	.....	Marine City, Mich.
579	Shaw, John C.	Union Trust bldg.	Detroit, Mich.
963	Shaw, W. W.	3122 Rhodes ave.	Chicago, Ill.
55	Shay, W. S.	76 Patterson st.	Ogdensburg, N. Y.
1638	Shea, Jas. A.	305 E. Chicago ave.	Chicago, Ill.
566	Shephard, A. M.	Box 117.	Goderich, Ont.
54	Sherwood, D. N.	2105 Warren rd.	Lakewood, O.
1407	Shorkey, W. W.	.....	Marine City, Mich.
1466	Simpson, Fred. J.	1401 Canfield ave.	E. Detroit, Mich.
376	Sinclair, Alex. R.	519 Michigan st.	Port Huron, Mich.
1362	Sinclair, C. H.	foot of Griswold st.	Detroit, Mich.
377	Sinclair, D. M.	2037 Military st.	Port Huron, Mich.
1104	Sinclair, J. H.	1408 7th st.	Port Huron, Mich.
1550	Simmons, T. G.	1730 Randall Road.	Cleveland, O.
857	Skeldon, Jas. W.	825 Erie st.	Toledo, O.

# NAMES AND ADDRESSES.

## Pennant.

632	Skiffington, J. A.	163 Jos. Campau.	Detroit, Mich.
850	Slackford, W. G.	309 Campbell ave.	Sandusky, O.
1111	Small, E. S.	Box 534	Charlevoix, Mich.
1013	Smith, A. C.	232 Field ave.	Detroit, Mich.
701	Smith, E. M.	P. O. Box 72	So. Chicago, Ill.
1480	Smith, P. H.	9712 Logan ct., N. E.	Cleveland, O.
1476	Sniffin, B. N.	503 N. 5th st.	Manitowoc, Wis.
1249	Soleau, O. J.	Milwaukee Tug Boat Line.	Milwaukee.
231	Spear, E. P.	1629 E. 118th st.	Cleveland, O.
1246	Stalker, A. W.	565 Church st.	E. Toledo, O.
348	Stalker, Duncan	522 Woodville st.	E. Toledo, O.
1692	Stanley, Edward.	33910 Clinton Ave.,	Cleveland, O.
479	Starke, Fred. C.	700 36th st.	Milwaukee, Wis.
1659	Starkey, E. J.	9 Walnut st.	Geneva, O.
921	Steibel, John	713 Perry st.	Sandusky, O.
1354	Stephens, T. J.	126 W. Dunbar st.	Alpena, Mich.
1183	Stevens, E. P.	460 Congress st. E.	Detroit, Mich.
1114	Stevenson, G. C.	110 Greenwood Place.	Buffalo, N. Y.
418	Stevenson, Hugh	470 Bird ave.	Buffalo, N. Y.
1654	Stevenson, Thos.	38 Royal ave.	Buffalo, N. Y.
1677	Stevenson, Wm.	2121 7th st.	Port Huron, Mich.
1412	Stevenson, W. H.	11 Briggs ave.	Buffalo, N. Y.
586	Stewart, A. E.	Board of Education	Detroit, Mich.
486	Stewart, John	care Adolph Reichle, Auditor,	
		Benton Harbor, Mich.	
1489	Stewart, W. G.	care Gilchrist Trans. Co.,	
		Cleveland, O.	
967	Still, Hiram	R. F. D. No. 4.	Birmingham, Mich.
636	Stoddard, Lewis	488 Putnam ave.	Detroit, Mich.
184	Stone, H. W.	54 Hastings ave.	E. Cleveland, O.
760	Stone, L. W.	.....	Vermillion, O.
262	Stough, L.	1711 W. 31st pl.	Cleveland, O.
1574	Strahan, L. F.	1324 Pierce ave.	Marinette, Wis.
371	Sullivan, D. C.	625 Prospect ave.	Milwaukee, Wis.
1676	Sullivan, N. M.	1953 Superior st.	Toledo, O.
1303	Sutherland W.		
	T.	1106 Dansman st.	Green Bay, Wis.
363	Swain, Martin	471 Wabash ave.	Detroit, Mich.
1410	Talbot, Geo. E.	Highland Park, Wayne Co.,	Mich.
1680	Taylor, Edw.		
1157	Taylor, Jas.	Box 696.	Marine City, Mich.
1096	Teare, F. S.	The Boulevard.	Painesville, O.
79	Tebo, G.	1636 Roscoe st.	Chicago, Ill.

# NAMES AND ADDRESSES.

## Pennant

1050	Thompson, Peter	104 Russell ave.	Buffalo, N. Y.
422	Thompson, J. C.	4202 Bailey ave. S. W.	Cleveland, O.
1500	Thompson, Robt.	2257 W. 91st st.	Cleveland, O.
1591	Thompson, W. F.	811 E. 4th st.	Duluth, Minn.
657	Thorburn, John	Mrs. W. A. Meddaugh,	
		Westhope, N. D.	
61	Thorne, William	293 Park st.	Detroit, Mich.
560	Thorp, Wm. H.	305 No. Henry st.	W. Bay City, Mich.
69	Thorpe, E. F.	231 West ave.	Buffalo, N. Y.
1207	Thrall, Preston F.	.....	Green Bay, Wis.
1270	Thurston, Sam'l	2198 Monticello ave.	Chicago, Ill.
1469	Tisdale, Geo. B.	.....	Douglass, Mich.
1579	Tomlin, Rich.	South Park	Port Huron, Mich.
719	Tomlin, Wm. J.	2548 Lawrence ave.	Toledo, O.
616	Tormey, Ed.	164 Begg st.	Detroit, Mich.
167	Tower, Chas. B.	4102 Clinton st.	Cleveland, O.
1051	Tower, John	care Milwaukee Tug Boat Line,	Milwaukee, Wis.
1216	Travis, James	718 Marquette Bldg.	care Spaulding L. Co., Chicago, Ill.
1350	Trimble, G.	3922 W. 22nd st.	Cleveland, O.
206	Trottier, G. N.	302 Moffat bldg.	Detroit, Mich.
1055	Tulian, Gaius D.	94 Walnut st.	Ashtabula, O.
1463	Tyre, T. J.	R. F. D. No. 5.	Pontiac, Mich.
508	Vance, L. R.	381 Broadway.	Milwaukee, Wis.
1371	Van Gorder, C.	.....	Marine City, Mich.
1501	Van Slet, Abram	1959 W 22nd st.	Cleveland, O.
1581	Vaughn, J. F.	705 Elm st.	Buffalo, N. Y.
1369	Vrooman, G. H.	care John Perew.	Buffalo, N. Y.
651	Waltman, Jos.	599 Vinewood ave.	Detroit, Mich.
1001	Walder, R. J.	208 First st., North,	St. Petersburg, Fla.
844	Walker, N. B.	952 Clark st.	E. Toledo, O.
294	Wallace, Chas. H.	care Pittsburg Coal Co., R'y Exch. Bldg.	Chicago, Ill.
1621	Walper, Henry	24 Exchange st.	Vermillion, O.
980	Walsh, Jas. A.	97 Morris st.	Ogdensburg, N. Y.
965	Ward, J.	1301 New England bldg.,	Cleveland, O.
783	Ward, Julius A.	care Algonac bank	Algonac, Mich.

# NAMES AND ADDRESSES.

Pennant.			
1260	Warner, J. B.	414 5th st.	E. Toledo, O.
1514	Warner, W. B.	Box 142	Algonac, Mich.
1188	Warwick, Henry	18 Terrace.	Buffalo, N. Y.
556	Warwick, J. H.	1108 Military st.,	Port Huron, Mich.
1669	Watson, C. W.	18 Ada pl.	Buffalo, N. Y.
1404	Watson, F. C.	6800 Wakefield ave.	Cleveland, O.
336	Watts, Jas. B.	108 Jay st.	Detroit, Mich.
1124	Wauwig, Jno. D.	404 Webster pl.	Milwaukee, Wis.
1548	Webster, C. T.	488 Cass ave.	Detroit, Mich.
305	Weeks, J. L.	15 Robinwood ave.	Lakewood, O.
932	Weimar, Fred. T.	1538 Dunning st.	Chicago, Ill.
1647	Weinheimer, F.		
	W.	261 Grant st.	Buffalo, N. Y.
1649	Weinheimer, E. J.		North Evans, N. Y.
1312	Weinheimer, F. L.	452 Prospect ave.	Buffalo, N. Y.
1132	West, B. E.	Chauvin P. O.	Wayne Co., Mich.
1586	West, F. A.	540 N. 3rd st.	St. Clair, Mich.
357	Westcott, J. W.	8 Woodward ave.	Detroit, Mich.
966	Wex, Peter	711 West ave.	Buffalo, N. Y.
700	Wheeler, Wm. P.	235 Madison st.	Sandusky, O.
1385	White, A. E.	.....	Washington, Mich.
1537	White, Geo. S.	care Brown & Co.	Buffalo, N. Y.
1567	Whiteside, J. A.	55 Copeland Place.	Buffalo, N. Y.
196	Wilford, T.	National Bank of	Com. Lorain, O.
1045	Wilkins, W. W.	343 W. 21st st.	Erie, Pa.
1597	Wilkinson, C.	830 Fort st. East,	Detroit, Mich.
1151	Wilkinson, Fred'k	569 Mullett st.	Detroit, Mich.
1077	Wilkinson, John	Ft. Woodward ave.	Detroit, Mich.
1335	Willet, L.	1864 W. 50th st.,	N. W. Cleveland.
1639	Willet, C. W.	528 Federal bldg.	Chicago, Ill.
1491	Williams, A. M.	3723 W. 36th st.	Cleveland, O.
410	Williams, David	2200 Jackson Boulevard.	Chicago, Ill.
1044	Williams, Edw.	231 Columbus ave.	Benton Harbor, Mich.
1484	Williams, Wm. A.	31 Clarence ave.	Lakewood, O.
352	Williams, W. H.	800 Trumbull ave.	Detroit, Mich.
1058	Willoughby, W. J.	142 Dougall ave.	Windsor, Ont.
1593	Wilman, Dan.	3409 W. 98th st.	Cleveland, O.
1471	Wilson, C. H. Jr.	324 W. 22nd st.	Erie, Pa.
596	Wilson, Chas. L.	164 Willis ave.	Detroit, Mich.
63	Wilson, Chas. H.	1014 Chestnut st.	Erie, Pa.
693	Wilson, Geo. U.	207 Bethume ave. E.	Detroit, Mich.
1408	Wilson, Wm.	317 McKinstry ave.	Detroit, Mich.

# NAMES AND ADDRESSES.

## Pennant.

1628	Woerpel, H.	24 West Montana st.	Chicago, Ill.
285	Wood, Jas. O.	3320 Lowe ave.	Chicago, Ill.
1533	Wood J. S.	37 Minerva st.	Cleveland, O.
761	Woodford, C. H.	3788 W. 34th st., S. W.	Cleveland, O.
1133	Woods, Jno.	184 E. Water st.	Milwaukee, Wis.
1121	Woodward, C.		
	D.	10078 Republic ct., N. E.	Cleveland.
503	Wright, Wm.	405 Logan ave.	Milwaukee, Wis.
1323	Wulke, John J.	216 Abbott Road.	Buffalo, N. Y.
1643	Yates, Wm. II.	969 Beaubien st.	Detroit, Mich.
679	Yax, J. E.	2156 E 89th st.	Cleveland, O.
819	Young, J. P.	115 Elizabeth st. E.	Detroit, Mich.
1575	Young, Peter	343 2nd st.	Manistee, Mich.
40	Young, Robt.	1523 Eastwood ave.	Chicago, Ill.
375	Zealand, Henry	237 Barton st. E.	Hamilton, Ont.

# **NAMES AND ADDRESSES OF ASSOCIATE MEMBERS SHIPMASTERS' ASSOCIATION.**

Pennant.	Name	Address.	City.
A 1	C. T. Williams,	69 Boulev'd St., Mayfield Heights,	O.
A 2	Chas. P. Gilchrist,	560 Franklin Ave.,	Cleveland, O.
A 3	J. U. Karr,	171 River St.,	Cleveland, O.
A 4	W. B. Davock,	826 Logan Ave.,	Cleveland, O.
A 5	William H. Hill,	712 Western Reserve Bldg.,	Cleveland, O.
A 6	John F. Wedow,	93 Tilden St.,	Cleveland, O.
A 7	L. Hausheer, Jr.,		Lakewood, O.
A 8	John D. Gilchrist,	379 Amesbury St.,	Cleveland, O.
A 9	Oliver W. Upson,	1310 River Ave., N. W.,	Cleveland, O.
A 10	J. B. Rodgers,	175 Highland Ave.,	Buffalo, N. Y.
A 11	D. P. Craine,	Schlitz Hotel,	Milwaukee, Wis.
A 12	A. T. Harvey,	881 Case Ave.,	Cleveland, O.
A 13	Harvey D. Goulder	1561 Euclid Ave.,	Cleveland, O.
A 14	W. P. Murray,	720 Genesee St.,	Cleveland, O.
A 15	J. D. Ashley,	242 Oliver St.,	Cleveland, O.
A 16	W. H. Becker,		Dover, O.
A 17	H. Leonard Wilton	523 Cass Ave.,	Detroit, Mich.
A 18	Hermon A. Kelley,	Overlook Road, Euclid Heights,	Cleveland, O.
A 19	J. A. Gilchrist,	Route No. 1,	Panna, O.
A 20	James J. Rardon,	55 Dearborn Ave.,	Chicago, Ill.
A 21	Robert J. Dunham,	381 No. Halsted St.,	Chicago, Ill.
A 22	Marcus M. Drake,	346 Lafayette Ave.,	Buffalo, N. Y.
A 23	Wm. E. Halmes,	20 Delaware Place,	Chicago, Ill.
A 24	William H. Wood,	665 Evanston Ave.,	Chicago, Ill.
A 25	D. Sullivan,	641 West Adams St.,	Chicago, Ill.
A 26	J. H. Sheadle,	Norfolk Road, Euclid Heights,	Cleveland, O.
A 27	Chas. W. Elphicke,		Evanston, Ill.
A 28	Ray G. McDonald,	630 First Nat. Bank Bldg.,	Chicago, Ill.
A 29	George J. Harris,	462 North Water St.,	Chicago, Ill.
A 30	Henry J. Pauly,	207 14th St.,	Milwaukee, Wis.
A 31	W. A. Hawgood,	79 Bell Ave.,	Cleveland, O.
A 32	H. Coulby,		Cleveland, O.
A 33	M. A. Bradley,	1378 Euclid Ave.,	Cleveland, O.
A 34	T. F. Newman,	724 Genesee St.,	Cleveland, O.
A 35	Frank W. Fletcher		Alpena, Mich.
A 36	G. A. Tomlinson,		Duluth, Minn.

# NAMES AND ADDRESSES.

Pennant.	Name.	Address.	City.
A 37	Ralph D. Mitchell,	2170 Euclid Ave.,	Cleveland, O.
A 38	F. B. Wadhams,	465 Willson ave.,	Cleveland, O.
A 39	D. C. McIntyre,	2215 73rd St.,	Cleveland, O.
A 40	John H. Schlosser,	22 Hanover st.,	Milwaukee, Wis.
A 41	William H. Meyer,	3107 Grand ave.,	Milwaukee, Wis.
A 42	Teagan, John O.	1065 Jefferson Ave.,	Detroit, Mich.
A 43	Meyer, Christ J.	98 Ferry St.,	Wauwatosa, Wis.
A 44	Parker, C. L.	326 St. Alban Ave.,	Detroit, Mich.
A 45	Fred W. Green,	3184 West 95th St.,	Cleveland, O.
A 46	John J. Boland,	794 South Park Ave.,	Buffalo, N. Y.
A 47	S. W. Gould,	1595 E. 86th St. N. E.,	Cleveland, O.
A 48	James McAlpine,	1217 Chamber of Commerce,	Buffalo, N. Y.
A 49	W. E. Lloyd,	152 West Ave.,	Buffalo, N. Y.
A 50	J. J. H. Brown,	141 Lancaster Ave.,	Buffalo, N. Y.
A 51	Harvey L. Brown,	439 Richmond Ave.,	Buffalo, N. Y.
A 52	C. S. Mahoney,	62 York St.,	Buffalo, N. Y.
A 53	J. B. Rodgers,	1217 Chamber of Commerce,	Buffalo, N. Y.
A 54	F. G. Rogers,	485 Woodward Ave.,	Buffalo, N. Y.
A 55	John B. Richards,	226 Bryant St.,	Buffalo, N. Y.
A 56	Dell E. Tuttle,	356 Norwood Ave.,	Buffalo, N. Y.
A 57	John Connelly,	126 Fargo Ave.,	Buffalo, N. Y.
A 58	J. C. Oberschiemer,	1217 Chamber of Commerce,	Buffalo, N. Y.
A 59	M. Connolly,	254 Swan St.,	Buffalo, N. Y.
A 60	Adam E. Cornelius,	90 Dodge St.,	Buffalo, N. Y.
A 61	J. C. Evans,		
A 62	Fred J. Maxwell,	4 The Hazel, Lakeland Ave.,	Lakewood, O.
A 63	J. E. Upson,	11447 Euclid Ave.,	Cleveland, O.
A 64	Steinbrenner, G. M.	1545 E. 86th St.,	Cleveland, O.
A 65	Trinter, W. P.	2313 E. 55th St.,	Cleveland, O.
A 66	Body, G. F.	601 Canal Road,	Cleveland, O.
A 67	Rennick, Thomas J.	70 Market St.,	Ashtabula, O.
A 68	Oakes, K.	46 Palmer Ave.,	Detroit, Mich.



# MEMBERS OF THE SHIP MASTERS' ASSOCIATION.

Arranged According to Pennant Numbers.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
1	1	Niland, Martin	129	1	Murphy, Stephen
4	1	Dissette, John H.	133	1	Richardson, Harry
15	7	Ivers, John H.	138	2	Davis, Henry
17	1	Dunn, John	140	2	Powrie, P. F.
21	1	O'Neil, Patrick	141	2	Rice, William E.
22	1	Hogg, G. L.	144	3	Hogan, James
28	1	Riley, Cornelius	145	3	Comstock, J. N.
33	1	Clarke, Alex.	149	3	Carr, James
35	1	Clarke, Geo. H.	151	3	Nicholson, Wm.
40	3	Young, Robert	155	7	Hart, Fred C.
42	1	Fletcher, William	158	4	Greenley, A. J.
44	4	Chapman, A. C.	160	4	Hoover, N. E.
49	1	Robinson, Walter	163	4	Mooney, Edward
50	1	Corcoran, Joseph	164	4	Lowe, James B.
54	4	Sherwood, D. N.	167	4	Tower, Chas. B.
55	1	Shay, W. S.	169	4	Cleveland, G. F.
56	3	Root, F. D.	170	1	Hall, John B.
61	7	Thorne, William	174	4	Brown, Frank H.
63	1	Wilson, Chas. H.	176	4	Mallory, G. B.
69	1	Thorp, E. F.	177	4	Rae, F. H.
71	3	Chamberlain, Wm.	182	4	Lowe, John
73	1	Gibson, James	184	4	Stone, Henry W.
78	2	McArthur, John	185	4	Lockwood, C. W.
79	3	Tebo, George	186	4	Dowdell, P.
89	2	Kendall, H. J.	189	4	Murphy, S. N.
96	1	Bordeaux, Dav. O.	191	2	May, A. C.
97	7	Owen, John Q.	192	2	McAllister, James
104	1	Berow, Joseph H.	194	4	Cowley, Robert
105	1	Durker, Henry	196	4	Wilford, Thomas
108	1	Murphy, Henry	197	4	Lyons, R. J.
113	2	Madden, M. J.	199	3	Disher, William
115	2	Anderson, E. B.	200	3	Galagher, Anthony
116	1	Coleman, Jeremiah	202	4	Cummings, H.
119	2	Little, John W.	206	7	Trotter, Geo. N.
120	1	Grasser, George	214	3	McNeil, J. S.
121	2	Davis, E. H.	222	6	Ballentine, E. D.
128	1	Driscoll, Dennis	223	4	Saph, C. M.

**PENNANT NUMBERS 227 TO 477 INCLUSIVE.**

<b>Pen- nant.</b>	<b>Lodge No.</b>	<b>NAME.</b>	<b>Pen- nant.</b>	<b>Lodge No.</b>	<b>NAME.</b>
227	2	Buzzard, John	344	7	Merrit, Geo. E.
229	2	Pringle, John C.	348	9	Stalker, Duncan
231	4	Spear, E. P.	350	2	O'Connor, Richard
234	4	Benham, C. E.	352	7	Williams, W. H.
235	3	Higgie, F. B.	355	4	Morgan, Jas. W.
247	4	Fick, Frank A.	357	7	Westcott, J. W.
250	4	McDowell, Robert	358	4	Olson, Olof
252	3	Chron, Thomas	359	3	Jenks, John
253	7	Armstrong, Byron	362	3	Higgins, Thomas
254	3	Moore, H. R.	363	7	Swain, Martin
255	3	Isbester, J. W.	370	3	Clow, J. M.
256	3	Campbell, J. M.	371	6	Sullivan, D. C.
257	3	Cazallis, Raymond	373	3	Everett, Anthony
262	4	Stough, Lafayette	375	2	Zealand, Henry
263	4	Murch, M. H.	376	2	Sinclair, Alex. R.
264	4	Humphrey, W. H.	377	2	Sinclair, D. M.
266	4	Mallory, D. H.	381	1	Perew, John
269	4	Holmes, Jos. A.	388	2	Harrow, W. B.
272	4	Ennes, C. G.	389	4	Morton, Edward
274	4	Collier, Wm. A.	391	4	Hinslea, Chas. H.
279	1	Roebarge, G. E.	394	1	Johnson, John
283	3	Loftus, H. F.	396	4	Gerlach, William
284	7	Little, C. E.	407	4	Doville, Jos.
285	3	Wood, James O.	409	3	Kiah, D. A.
287	3	Roach, P. C.	410	3	Williams, David
288	4	McKay, Geo. P.	412	3	Moore, Chas. K.
289	4	McKeeghan, John	413	3	Brown, James A.
290	4	Call, Richard	414	3	Hurlbut, Jesse G.
293	4	Chapman, C. B.	418	1	Stevenson, Hugh
294	4	Wallace, Chas. H.	422	4	Thompson, J. C.
300	3	McCambridge, T.	423	7	Girardin, David J.
302	4	Mitchell, John	427	4	Benham, Chas. A.
305	4	Weeks, J. L.	428	7	Byers, J. J. C.
306	4	Morrison, J. S.	433	4	Cleveland, C. R.
307	4	Ames, William	439	6	Carter, W. J.
315	1	McEachern, Archie	443	3	Regan, John
317	1	Drake, A. B.	448	1	Coughlin, Daniel
319	1	Buie, Daniel	450	3	Minskey, J. P.
327	7	McFarlane, Daniel	451	3	Flood, W. Gilman
329	4	Peterson, J. D.	460	2	Ellery, Thomas A.
336	7	Watts, Jas. B.	461	2	Little, Nelson
339	4	Mulholland, Matt.	464	7	Nicholson, D.
341	2	Fitzgerald, Michael	477	6	Maxon, F. C.

PENNANT NUMBERS 479 TO 749 INCLUSIVE.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
479	6	Starke, F. C.	602	7	Innes, J. R.
481	6	Jamieson, William	603	7	Lohr, Edward
485	6	Leisk, James	612	7	Fox, Arthur J.
486	6	Stewart, John	613	9	Meikleham, Thos.
488	6	Anderson, Olief N.	614	9	Bailey, Robt. N.
496	6	Schwerman, Fred.	616	7	Tormey, Ed.
498	6	Leisk, John	617	7	Currie, Shepard A.
500	6	Leisk, Henry	624	4	Peterson, H.
501	6	Doak, Jno. A.	627	7	Hagan, Hugh J.
503	6	Wright, Wm. E.	628	7	Eade, Alfred
505	6	Boyce, H. M.	629	7	Ferguson, Robt. E.
506	4	Hawgood, A. H.	631	7	Elliott, Lewis
507	6	McSweeney, John	632	7	Spiffington, J. A.
508	6	Vance, L. R.	636	7	Stoddard, Lewis
509	6	Scott, W. B.	641	2	Harper, Geo.
513	6	McCoy, John	642	3	Cochrane, David
514	6	Beckley, John G.	651	7	Waltman, Jos.
515	6	McGregor, W. F.	653	7	Crawford, Chas. B.
520	7	Lemay, Timen	657	7	Thorburn, John
526	6	Lund, William	666	7	Holbrook, T. H.
528	7	Hutton, Jno. T.	671	7	Millen, Wm. F.
532	7	Duncanson, D. J.	678	9	Durand, Homer H.
542	3	McDonald, Geo.	679	3	Yax, Jos. E.
543	3	MacLean, Donald	693	7	Wilson, Geo. U.
544	3	Page, Hiram C.	694	4	Peterson, C. A.
545	3	Kohnert, E. G.	695	4	Miller, Chas. D.
546	4	Sanders, Jos.	697	4	Landfair, John A.
547	6	Otter, Thomas W.	698	4	Bell, George A.
553	9	Harlow, Wm. J.	700	4	Wheeler, Wm. P.
556	2	Warwick, J. H.	701	1	Smith, E. M.
557	2	Laframboise, Jas.	708	4	Rice, Frank
558	4	Rae, Frank C.	709	6	Bruce, James
560	2	Thorp, Wm. H.	712	6	McGinn, James
566	1	Shephard, A. M.	714	6	Griffin, John L.
570	4	Anderson, Joseph	716	6	Peterson, Peter
572	3	Hubbard, Chas. H.	719	9	Tomlin, Wm. J.
576	2	Maitland, Henry	731	7	Campau, W. H.
578	7	McCullagh, Geo.	732	7	Mara, James
579	7	Shaw, John C.	736	2	Miner, F.
586	7	Stewart, A. E.	737	4	Atwood, Sam'l N.
591	7	Roach, Wm.	738	4	Cottrell, Geo. L.
593	7	Huntoon, A. J.	742	7	Campbell, W. E.
596	7	Wilson, Chas. L.	749	3	Massey, John

PENNANT NUMBERS 750 TO 1017 INCLUSIVE.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
750	7	Livingstone, W., Jr.	893	7	Hursley, Jay.
751	7	Lennon, Wm.	899	3	Elliott, A. M.
753	7	McKay, Alex. J.	902	6	Robertson, Geo.
755	7	McLarty, James	910	7	McLean, Wm.
760	4	Stone, Lewis W.	914	4	Carlross, W. S.
761	4	Woodford, C. H.	921	4	Steible, John
767	7	McIntosh, M. G.	932	3	Weimar, Fred T.
768	4	Peterson, Andrew	936	3	Crawford, Wm.
770	1	Graham, George	941	3	McIntyre, Allan
771	1	McMillan, Chas.	947	9	Brown, Geo. A.
781	8	Miller, Alex. B.	950	3	Decker, W. H.
782	8	Rice, Phillip	952	4	Eldredge, H. C.
783	8	Ward, Julius A.	959	4	Moody, Wm. H.
786	8	Hagan, Wm.	960	4	Lampoh, Jos.
797	8	Carrier, David C.	963	3	Shaw, W. W.
798	4	Mitchell, Alfred	965	4	Ward, John
799	8	Shaw, G. A.	966	1	Wex, Peter
801	2	Pierce, G. W.	967	7	Still, Hiram
804	2	Brown, C. T.	971	2	Fleck, James A.
810	4	Lalond, Anthony	972	7	McAlpin, John
812	1	Miller, Hugh O.	973	3	Brion, James W.
819	7	Young, J. P.	975	7	McFarlane, D.
821	1	Rowan, Murdock	978	6	Bennett, Henry
822	2	Mosier, R. H.	980	1	Walsh, James A.
826	9	Herrick, T. C.	982	4	Benham, Wm. P.
827	1	Cunningham, Jas.	983	4	Detlefs, Emil
831	9	Gillespie, Isaac G.	986	3	Gallino, A. P.
838	9	Kelly, David	987	7	Hutchins, F. G.
843	9	Sage, Geo. V.	988	4	McGarvey, Wm.
844	9	Walker, Norman B.	992	3	Moore, J. F.
850	4	Slackford, W. G.	994	2	Manuel, Fred W.
854	9	Ashley, Ed. G.	995	2	Budd, Melvin A.
856	9	McKinley, Jas.	996	3	Ackerman, J. C.
857	9	Skeldon, Jas. W.	1001	4	Walder, R. J.
861	2	Chambers, A. P.	1003	4	Byrns, Ralph E.
863	7	Furtain, W. H.	1004	4	Hoag, Wm. S.
865	7	July, Edward F.	1007	7	McKenzie, Hugh
868	3	Lyons, Robert A.	1010	4	Laframboise, Jacob
875	7	McCallum, Henry	1012	2	Cowles, Wm. J.
880	4	McCoy, Geo. A.	1013	7	Smith, A. C.
884	6	Kelly, Patrick	1014	2	Johnston, Edward
891	1	Madigan, Jas. A.	1016	1	Green, John D.
892	6	Christenson, Peter	1017	4	Hunt, Wm. J.

**PENNANT NUMBERS 1018 TO 1147 INCLUSIVE.**

<b>Pen- Lodge nant. No.</b>	<b>NAME.</b>	<b>Pen- Lodge nant. No.</b>	<b>NAME.</b>
1018	3 Howard, Martin	1083	6 Brownell, Stephen
1020	4 Jollie, Richard	1084	7 Firby, Wm. T.
1021	2 Bennett, Jas. S.	1085	7 Clark, Alex.
1022	4 Howell, Paul	1088	4 Sanders, Thos. H.
1026	4 Fox, Benson	1090	3 Beggs, Thos.
1028	7 McLachlan, Archie	1091	1 Howe, Alfred B.
1029	7 Herbert, Fred.	1095	1 Duddleson, Jno. W.
1030	4 Ennes, C. M.	1096	4 Teare, F. S.
1032	6 Moody, Chas. E.	1098	3 Ainsworth, Chas.
1035	4 Ingraham, F. E.	1100	3 McAvoy, John
1038	4 Allen, Sam'l C.	1101	2 Burns, John
1039	4 Post, Jos. W.	1103	6 Ross, C. D.
1041	4 Ferguson, Wm.	1104	2 Sinclair, Jno. H.
1042	4 Holly, Wm.	1105	4 Reece, Geo. O.
1043	3 Rand, Leroy A.	1106	4 Heaton, Chas. H.
1044	6 Williams, Edward	1109	2 Neal, Jas. S.
1045	1 Wilkins, W. W.	1111	6 Small, E. S.
1047	1 Martin, Edward	1112	7 McCarthy, Daniel
1050	1 Thompson, Peter	1114	1 Stevenson, Geo. C.
1051	6 Tower, John	1115	4 Jones, Jno. F.
1052	7 McGuire, Norman	1116	4 Allen, C. L.
1054	7 Goodrow, Frank	1117	7 Burke, Enos J.
1055	4 Tulian, Gains D.	1121	4 Woodward, Chas. D.
1058	4 Willoughby, W. J.	1122	7 Kearns, Joseph
1059	4 Driscoll, Jas. H.	1123	7 Maynes, Daniel A.
1060	1 Gibson, James R.	1124	6 Wauwig, Jno. D.
1061	7 Brady, Thos. J.	1125	6 Christenson, Anton
1065	7 McIntosh, John L.	1126	9 Benson, Dan.
1066	7 McAlpin, Wm.	1127	4 Dyble, Edw.
1067	4 McGarry, John	1128	4 Owen, Jas. L.
1068	4 Bouille, David	1131	9 Jex, H. N.
1070	4 Cody, F. B.	1132	7 West, Bert E.
1073	7 Mahon, A. J.	1133	6 Woods, John
1074	7 Hoffman, Wm. H.	1134	4 Black, Wm. A.
1075	7 Donaghue, E. J.	1135	4 Craigie, Alex.
1076	7 Crosby, Wm. J.	1136	4 Hergenrother, J. A.
1077	7 Wilkinson, John	1137	7 Balfour, C. C.
1078	7 Chamberlin, F. D.	1138	2 Jackson, Chas. K.
1079	9 Lockhart, D. O.	1140	1 Hansen, Andrew C.
1080	7 McLachlan, D.	1141	7 Forton, Frank S.
1081	7 Johnston, Alex.	1143	2 Rinn, Wesley
1082	7 Mallette, Paul A.	1147	9 Doville, D. F.

PENNANT NUMBERS 1148 TO 1308 INCLUSIVE.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
1148	6	Olson, Samuel	1219	7	England, Rich W.
1150	2	Greening, Wm.	1224	4	McAlpine, Hugh
1151	7	Wilkinson, F. A.	1226	8	Mattison, E. F.
1153	3	Hamilton, W. D.	1227	8	Folsom, Frank C.
1154	1	Curran, David A.	1228	8	Shackett, Henry S.
1155	2	Montgomery, J. W.	1229	8	Kinyon, S. D.
1157	8	Taylor, James	1230	8	Shackett, J. M.
1160	8	McDonald, John	1233	7	Parsons, Dudley R.
1161	7	McDonald, N.	1234	7	Jagenow, Wm.
1163	7	Sayre, C. E.	1236	4	Bouille, Pierre
1167	9	Burnham, Geo.	1237	4	Kelly, Henry
1169	1	O'Day, Simon	1240	2	Kelly, James W.
1170	3	Minter, Thos. B.	1241	2	Canartney, M.
1171	3	Reid, Robert, Jr.	1242	8	Atwill, John
1172	3	Christopher, S.	1243	8	Kuhn, John
1175	7	Millen, P. L.	1244	7	Clifford, Alex.
1177	4	Burr, James L.	1246	9	Stalker, A. W.
1179	1	O'Neill, Patrick	1247	6	Cook, John G.
1182	7	Parsons, H. H.	1249	6	Soleau, O. J.
1183	7	Stevens, E. P.	1251	9	Doville, Egbert
1184	4	Hinslea, Henry	1252	9	Cunningham, J. J.
1185	4	Parson, Frank	1254	2	Reed, Wm. A.
1187	1	Hartman, John J.	1255	4	Brooks, R. H.
1188	1	Warwick, Henry	1256	7	Quinlan, Wm.
1190	3	Godman, Jas. P.	1257	8	Cottrell, Jas. E.
1191	3	Jensen, K. A.	1259	9	Lynn, Daniel R.
1192	4	Moshier, B.	1260	9	Warner, J. B.
1193	7	Bertrand, Frank	1262	8	Broadbridge, A. T.
1194	7	Maddock, J. B.	1266	9	Kirker, Fred.
1197	4	Hand, A. S.	1269	3	Patterson, Wm.
1198	8	Brown, Hector	1270	3	Thurston, Samuel
1199	8	McCann, Samuel	1276	8	Maxwell, Wm.
1201	7	Parsons, Joseph	1283	4	Robinson, A. R.
1202	7	Shafer Avander H.	1284	7	Rains, Ed. T.
1203	7	Maddock, J. C.	1285	3	Leith, Alex.
1204	4	Hahn, Charles P.	1289	9	Dwelle, A. W.
1205	4	Blattner, Wm. H.	1294	1	Burns, John J.
1206	6	Larson, Peter	1295	4	Landfair, B. M.
1207	6	Thrall, Preston F.	1299	1	Galvin, M. J.
1208	3	Jacobson, Jacob	1303	4	Sutherland, Wm. T.
1209	2	Neal, Wm. D.	1304	9	Harlow, Frank T.
1216	3	Traverse, James	1307	4	Reid, Fred'k H.
			1308	3	Campau, Louis A.

**PENNANT NUMBERS 1309 TO 1456 INCLUSIVE.**

<b>Pen- Lodge</b>	<b>NAME.</b>	<b>Pen- Lodge</b>	<b>NAME.</b>
<b>nant. No.</b>		<b>nant. No.</b>	
1309 9	Cook, J. W.	1388 1	Klock, Everett
1312 1	Weinheimer, F. L.	1389 1	Fuller, C. E.
1313 1	Secord, C. D.	1392 1	Peterson, M. S.
1314 1	Grant, C. J.	1393 1	Clark, John C.
1315 7	McGregor, Wilson	1394 4	Johnson, Martin
1319 3	Anderson, Wm.	1395 4	Nordahl, Arnold
1320 3	Landgraf, Wm. H.	1397 7	Baker, Burton S.
1321 4	Anderson, Mathew	1398 7	Kotcher, Albert J.
1323 1	Wulke, John J.	1400 3	Hough, Thos. M.
1324 7	Harrow, W. G.	1402 8	Markle, Stanton
1328 8	Ames, Augustus	1403 4	Goodwin, Jas. F.
1329 4	Peterson, Peter A.	1404 4	Watson, F. C.
1330 4	Johnston, Jno. M.	1408 7	Wilson, Wm.
1334 2	Akers, E. C.	1410 7	Talbot, Geo. E.
1335 4	Willett, Luke	1411 7	Anderholt, L. P.
1338 4	Byrns, Howard A.	1412 1	Stevenson, Wm. H.
1344 6	Preston, John R.	1413 1	Saunders, Jas. M.
1350 2	Trimble, George	1414 6	Bronson, Chas. T.
1351 4	Mahon, Walter M.	1415 4	MacLachlan, A. H.
1352 4	Leckie, Frederic	1417 7	Forbes, Alexander
1354 2	Stephens, Thos. J.	1421 8	Hill, Fred C.
1355 7	Christie, Charles	1423 7	Banker, Geo. H.
1356 7	Baker, Harris W.	1424 4	Light, F. W.
1358 3	Crangle, John	1425 3	Edwards, M. L.
1359 3	Higgie, J. F.	1427 3	Bough, Chas.
1360 6	Dailey, Michael	1429 4	Dobson, J. C.
1361 4	Faragher, William	1433 7	MacLean, Wm. J.
1362 3	Sinclair, Cyrus H.	1434 7	Recor, Geo. F.
1363 3	Elliott, Frank	1435 7	Rattray, Chas.
1365 3	Buchanan, Duncan	1437 3	Kohnert, J. E.
1366 3	Beggs, David	1438 4	Colbert, Thos.
1368 4	Anderson, Chas. A.	1442 4	Keller, Alva B.
1369 1	Vrooman, Geo. H.	1443 7	Iler, Walter C.
1370 8	Hollingshead, John	1444 3	Olsen, John K.
1371 8	Van Gorder, Chas.	1445 3	Cullnan, John
1374 7	Callam, Alex. C.	1446 4	Fitch, Edward
1377 7	Robinson, Salem O.	1447 7	Craig, John C.
1381 3	Lamoreaux, Joseph	1449 6	Maitre, Frank
1382 4	Gegoux, Henry	1450 3	Jennings, J. P.
1384 4	Bartel, A. E.	1451 3	Jones, Harry
1385 4	White, A. E.	1453 3	McKay, W. J.
1386 4	Ferguson, John A.	1454 4	Bailey, F. A.
1387 4	Brand, August	1456 3	Hansen, John F.

PENNANT NUMBERS 1457 TO 1569 INCLUSIVE.

Pen- Lodge nant. No.	NAME.	Pen- Lodge nant. No.	NAME.
1457	3 Fitch, Edward	1519	1 Dunn, Thos.
1462	4 McDonald, Wm.	1520	6 Elden, Harold E.
1463	7 Tyre, Theophilus J.	1522	4 Randall, A. E.
1464	1 Finegan, Owen P.	1523	4 Culp, Hamilton
1465	7 Flaherty, Joseph	1524	7 Pickell, E. S.
1466	7 Simpson, Fred J.	1525	6 Bennett, Geo. J.
1467	9 Dunseith, John	1526	7 Gordon, D. G.
1469	3 Tisdale, Geo. B.	1527	6 Hendriksen, Otto
1471	3 Wilson, Chas.H., Jr.	1528	4 Pringle, Robt. C.
1472	3 Saph, Jay P.	1529	4 Ennes, Everett S.
1473	7 May, Anthony T.	1530	3 McGannon, Wm. P.
1475	4 Phillips, Geo. L.	1531	7 Brown, Nelson
1476	6 Sniffin, Berlin N.	1532	6 Jones, Warren C.
1478	2 Cotton, A. J.	1533	4 Wood, J. S.
1479	8 Jackson, Richard C.	1534	8 Dupuy, Frederic A.
1480	4 Smith, Philip H.	1535	3 Gunderson, Gustav
1481	8 Johnson, Wm. H.	1536	3 Evans, Robt. T.
1482	4 Packer, Wm. H.	1538	4 Murdock, John A.
1483	4 Ellis, Frank S.	1539	6 Dority, Frank A.
1484	6 Williams, Wm. A.	1540	7 Carr, Whitney
1485	6 Brownell, E. H.	1541	7 Pocock, Henry A.
1487	9 Lyons, Jas. B.	1542	4 Buchanan, James
1489	8 Stewart, Walter G.	1545	4 Symes, George A.
1490	8 Lyons, Stephen A.	1547	7 Hosner, V. L.
1491	4 Williams, Archie M.	1548	7 Webster, Chas. T.
1492	4 Dixon, Alfred	1549	4 McEwen, Henry W.
1493	4 Gould, Francis E.	1550	4 Simmons, Thos. G.
1494	4 Ehrhart, John W.	1552	6 Garrity, Thomas
1495	2 Cassin, Jas.	1553	4 Holdridge, George
1497	1 Herbert, James G.	1554	1 Doohen, John B.
1498	3 Andersen, Sigverdt	1555	2 Hughes, Henry S.
1499	4 Benham, Geo. E.	1556	6 Johnson, John A.
1500	4 Thompson, Robt.	1557	4 McGarry, George
1501	4 Vanslet, Abram	1558	4 Philp, Samuel E.
1502	2 Hendricks, Edw.	1559	9 Lohr, John M.
1503	2 Bradshaw, John L.	1561	6 McShane, Daniel W.
1504	2 McLean, J. C.	1562	1 Milne, John
1507	1 Goodell, F. A.	1563	4 Conkey, Charles M.
1508	1 Clarke, W. E.	1566	6 DuClos, Napoleon
1513	6 Anderson, Gus. E.	1567	1 Whiteside, John A.
1514	8 Warner, Walter B.	1568	3 Green, Arnold
1515	4 Pringle, Wm. J.	1569	7 Archer, Arthur A.
1516	4 Bourgeois, E. M.		



PENNANT NUMBERS 1571 TO 1659 INCLUSIVE.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
1571	8	Shackett, Wm. F.	1615	7	Mahon, M. H.
1572	4	Moore, Frank	1616	8	McDonald, G. W.
1573	1	Boggan, Moses	1617	3	Lang, Julius
1574	3	Strahan, Louis F.	1618	3	Christensen, Olaf
1575	3	Young, Pèter	1619	3	McQueen, W. S.
1576	9	Fox, J. C.	1620	4	Ames, G. W.
1577	4	Burt, George G.	1621	4	Walper, Henry
1578	1	Kelley, Andrew	1622	4	Moore, S. S.
1579	8	Tomlin, Richard	1623	7	Norvell, Walker
1580	4	Meeker S. E.	1625	7	Kennedy, James
1581	1	Vaughn, John F.	1628	3	Woerpel, H.
1582	7	Merckel, C. G.	1629	2	Fowler, Thomas
1583	4	Cuthbert, H. A.	1630	7	Ellis, Thos. G.
1584	1	Buckley, J.	1631	7	McCarthy, John
1585	7	Gatfield, E. D.	1632	7	Barnes, Chas. E.
1586	2	West, Fred A.	1633	4	D'Clute, John C.
1587	4	Millikin, Wm.	1634	4	D'Clute, Hugh
1588	4	Grashaw, Walter	1635	6	Redner, Elmer E.
1589	4	Burns, T. C.	1636	4	Harboldt, John
1590	2	Randall, Frank	1637	4	Dawley, W. W.
1591	2	Thompson, W. F.	1638	3	Shea, Jos. A.
1592	7	Bain, A. J.	1639	3	Willett, C. W.
1593	4	Wilman, Dan.	1640	4	McNeill, John
1594	4	Maloney, Forest	1641	4	Anderson, P. A.
1595	4	Girardin, W. L.	1642	2	Henry, Ed.
1596	4	Gustafson, Peter	1643	7	Yates, Wm. H.
1597	7	Wilkinson, Chas.	1644	7	Ludington, Lewis
1599	6	Coon, Geo.	1645	2	Campbell, E. E.
1600	6	Girardin, D. C.	1646	1	Brooks, W. M.
1601	7	Ross, James	1647	1	Weinheimer, F.W.
1602	7	Holt, James G.	1648	1	Shaw, Edward L.
1603	3	Johnson, Carl	1649	1	Weinheimer, E. J.
1604	3	Johnson, Martin	1650	1	Kerr, Harry
1605	3	Bright, W. T.	1651	1	Brooks, Wm. H.
1606	8	Kendall, Geo. B.	1652	1	McDonald, J. A.
1607	3	Peterson, T. J.	1653	1	Gebhard, F. R.
1608	3	Evans, John	1654	1	Stevenson, Thos.
1609	2	Carlisle, Theo. J.	1655	1	Lowe, John H.
1610	1	Barclay, John	1656	2	Montgomery, W.L
1611	2	Meno, Jos. E.	1657	2	Pardy, Robt. H.
1612	2	Hanson, John T.	1658	2	Chamberlin, W. J.
1613	2	Scott, G. H.	1659	4	Starkey, E. J.
1614	7	Jarvis, Fred L.			

PENNANT NUMBERS 1660 TO 1694 INCLUSIVE.

Pen- nant.	Lodge No.	NAME.	Pen- nant.	Lodge No.	NAME.
1660	7	Mahon, J. A.	1678	6	Lee, Iver M.
1661	2	Knapp, R. H.	1679	4	Fowlie, Andrew
1662	1	Leroy, John S.	1680	3	Taylor, Edward
1663	1	McLeod, Donald	1681	3	Plummer, Wm.
1664	2	Crooker, D. M.	1682	3	McCauley, C.
1665	2	Cole, Martin	1683	7	Dorry, Benj. B.
1666	2	England, E. F.	1684	2	Geel, Guy G.
1667	2	Pierce, Wm. L.	1685	4	Massey, S. B.
1668	2	Ditzel, Henry E.	1686	3	Hagensen, H. A.
1669	1	Watson, C. W.	1687	1	Koch, Robert.
1670	1	Drury, John E.	1688	7	Leonard, Roy M.
1671	7	Ashley, W. A.	1689	7	Auttersen, Chas.
1672	7	Doner, James	1690	6	Kearns, Chas. J.
1673	7	Brown, Claud D.	1691	6	Brownell, Jos. A.
1674	4	Ney, C. R.	1692	4	Stanley, Edward.
1675	4	Mooney, Wm.	1693	3	Olsen, Gust.
1676	9	Sullivan, N. M.	1694	7	Morrison, J. N.
1677	2	Stevenson, Wm.			

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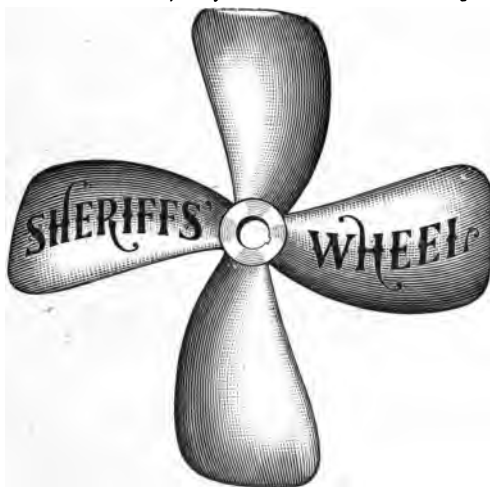
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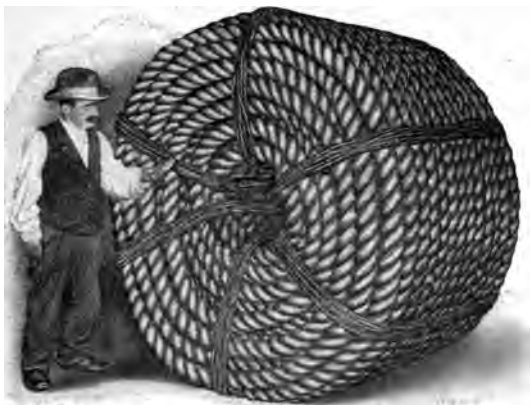
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<b>W. H. Simpson,</b>	<b>" 20 x 24</b>	<b>"</b>
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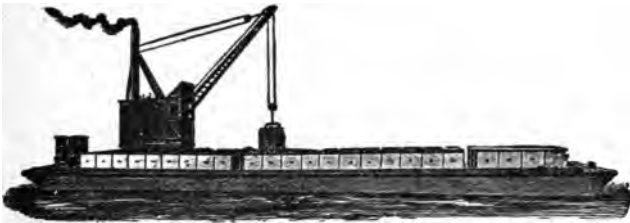
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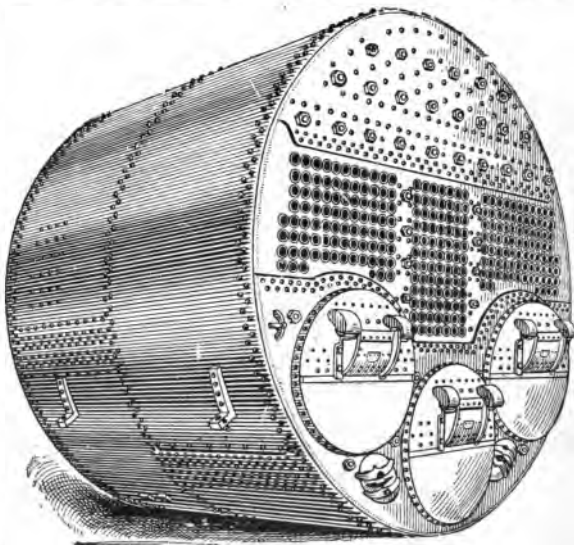
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PROOF**

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# American Steam and Sail Vessels of the Great Lakes

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CORRECTED TO APRIL 1, 1908

‡ indicates vessel is built of iron or steel.

*Srv.* is the general indication for steam vessels not otherwise specified.

*Sch.* indicates steam yacht.

*Sch.* indicates all sail vessels and barges.

*Sip.* indicates steam passenger.

*F. B.* indicates fire boat.

*Nyk.* indicates naphtha yacht.

*Nas.* indicates naphtha screw.

*Yy.* indicates yawl yacht.

*Spd.* steam pile driver.

*H. B.* house boat.

*Gcy.* indicates gasoline schooner yacht.

*Sch.* indicates schooner yacht.

*C. F.* indicates canal boat.

*Sly.* indicates canal boat.

*Sly.* indicates sloop yacht.

*Rze.* indicates barge.

*Nzw.* indicates sloop.

*Gyt.* indicates gasoline.

*Gyt.* indicates gasoline yacht.

*Gdp.* indicates gasoline passenger.

*Age.* indicates dredge.

*Ltr.* indicates lighter.

*Lch.* indicates launch.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
<b>A</b>						
Tug	Abbott, H. B.	56	28	65x16	1889	Great Lakes Towing Co., Cleveland, O.
Sch	Abyssinia	2037	1916	288x44	1896	Hutchinson & Co., Cleveland, O.
Sch	Acme	128	103	94x17	1891	Mrs. Jennie Long, Buffalo, N. Y.
Tug	Active	18	12	54x13	1894	R. Bell Fish Co., Port Clinton, O.
Ltr	Active	335	318	139x26	1871	Great Lakes Towing Co., Cleveland, O.
Sly	Ada W.	5	5	33x9	1896	W. H. Feeney, Cleveland, O.
Tug	Adams, A. C.	41	20	62x16	1881	Great Lakes Towing Co., Cleveland, O.
Str	Adams, Thomas	3784	3187	370x50	1902	Thomas Adams, Detroit, Mich.
Tug	Adele	9	6	48x10	1890	Alex. M. Lemke, Saginaw, Mich.
Str	Admiral	4651	3547	423x51	1899	M. B. McMillan, Detroit, Mich.
Sch	Adriatic	915	869	202x34	1889	M. A. Bradley, Cleveland, O.
Str	Adriatic	4945	3605	440x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.

Sch Advance	366	348	139x28	1871	Leathem & Smith, Sturgeon Bay, Wis.
Str Adventurer	16	8	51x11	1895	Joseph Bullion, Ontonagon, Mich.
Str Aeolus	14	7	55x 8	1888	Illinois & Michigan Canal Com., Lockport, Ill.
Gas Agnes	7	6	26x 8	1906	Nels Rovick, Frankfort, Mich.
Bge Agnes	576	572	149x30	1880	Harold B. Nye, Cleveland.
Str Aida	37	18	89x12	1882	Lewis Devian, Alexandria Bay, N. Y.
Str †Alaska	1288	1147	212x32	1871	E. & W. T. Co., Anchor L., Buffalo, N. Y.
Sch Albany	283	269	136x26	1872	A. B. Scott, Marine City, Mich.
Str Albany	18	9	40x12	1890	Wm. Gleasner, Buffalo, N. Y.
Str Albatross	74	42	100x16	1893	Albert L. Stephens, Grosse Pointe Farms, Mich.
Str Albatross	87	55	96x29	1880	D. A. Cady, Ormo, Wis.
Sch Albanian	5	5	29x10	1895	A. E. Blair, Kewaunee, Wis.
Str †Albright, John J.	4805	3298	416x50	1901	Mitchell & Co., Cleveland, O.
Sch Alcina	34	27	68x12	1896	O. P. Letchworth, Buffalo, N. Y.
Sch Alcona	952	666	185x34	1878	George B. Taylor, Erie, Pa.
Sch Aldrich, Wm.	177	167	123x25	1856	Minnie Krones, 392 15th ave., Milwaukee. Re-built 1903.
Tug Alert	23	11	49x13	1874	Chic. & Gt. Lakes Dredg. & Dock Co., Chicago.
Tug †Alert	42	29	71x17	1896	Wolverine Fish Co., Detroit, Mich.
Str Alert	10	7	50x 9	1889	A. R. Hinckley, Oswego, N. Y.
Sch Alert	18	18	49x12	1879	Geo. Plont, Frankfort, Mich.
Str Alexander	18	12	58x11	1899	Estate of Lewis Daniels, Vergennes, Vt.
Str Alfred W.	56	19	66x17	1905	R. B. Knox, Duluth, Minn.
Str Algomah	486	359	127x33	1881	L. R. Boynton, St. Ignace, Mich.
Str Algonia	92	63	95x18	1880	Fannie J. Scott, Rochester, N. Y.
Str Aliber, John A.	32	18	73x14	1897	Wm. P. Wilson, Saugatuck, Mich.
Sey Alice	40	36	66x16	1898	E. P. Warner, Chicago, Ill.
Str Alice	40	19	63x14	1891	Chas. Rae, Harbor Springs, Mich.
Str Alice	307	291	137x30	1881	Charles W. Allen, Kenosha, Wis.
Str Alice C.	81	27	63x18	1901	John Coffey, Manistique, Mich.
Str Alice R.	31	21	53x15	1905	W. A. Sawyer, Clayton, N. Y.
Stry Allegheny	689	599	187x33	1873	Allegheny Transportation Co., Cleveland, O.
Sch Allendale	50	32	66x16	1899	Bennett Schnorback Co., Muskegon, Mich.
Str Allenton	24	12	57x11	1878	Chas. S. Hebard, Pequaming, Mich.
Sey Alliance	14	14	38x12	1904	John Hirsh, Erie, Pa.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Gas	Allie B.....	11	8	44x11	1903	Robt. Bentell, W. Bay City, Mich.
Sly	Allie C.....	20	19	50x14	1890	E. C. Fitzgerald, Cape Vincent, N. Y.
Sch	Alo-ha .....	521	500	173x32	1888	Holland & Graves, Buffalo, N. Y.
Sty	Aloha .....	18	12	47x 8	1893	Alton Ripley, Oshkosh, Wis.
Tug	Alpha .....	86	43	77x19	1881	Great Lakes Towing Co., Cleveland, O.
Tug	Alpha .....	43	21	57x15	1882	Great Lakes Towing Co., Cleveland, O.
Tug	Alphard .....	32	21	55x15	1898	Chas. Simona, Two Rivers, Wis.
Str	Altha .....	8	6	37x 9	1893	—, St. Paul, Minn.
Str	Alva .....	2419	2000	324x42	1893	Chicago & Duluth Transportation Co., Chicago, Ill.
Tug	Alva B.....	83	41	73x18	1890	Great Lakes Towing Co., Cleveland, O.
H. B.	Amariyllis .....	140	140	95x16	1896	Emily M. Cox, Alexandria Bay, N. Y.
Sch	Amazon .....	3599	3331	376x46	1897	James Corrigan, Cleveland, O.
Str	Amazonas .....	2228	1930	295x44	1898	James Davidson, W. Bay City, Mich.
Str	America .....	2171	1748	274x42	1889	Wisconsin Transportation Co., Sheboygan, Wis.
Tug	America .....	123	83	80x21	1897	Great Lakes Towing Co., Cleveland, O.
Tug	America .....	42	21	64x15	1894	Great Lakes Towing Co., Cleveland, O.
Sly	America .....	6	5	30x 7	1894	J. W. Shepherd, Chicago, Ill.
Str	America .....	681	478	164x31	1898	A. Booth & Co., Tribune Bldg., Chicago, Ill.
Sip	Americana .....	.....	215x45	.....	1908	Lake Erie Excursion Co., Buffalo, N. Y.
Tug	American Eagle ..	110	64	104x24	1880	L. S. Sullivan, Toledo, O. Rebuilt.
Gas	American Eagle ..	10	7	44x11	1903	Phil Kegel, Chicago, Ill.
Tug	Ames, J. C.....	537	347	160x29	1882	Nau Tug Line, Green Bay, Wis.
Str	Ames, Ward .....	5750	4422	552x56	1906	Acme Steamship Co., Duluth, Minn.
Str	Ames, Wm. D.....	30	21	61x15	1905	Frederick Driscoll, Vermilion, O.
Gas	Amiot, Lilly ..	14	10	45x12	1873	John C. Jessen, Rebuilt, 1905.
Nyt	Amoreta .....	11	8	53x 9	1903	A. E. Francis, Alexandria Bay, N. Y.
Str	Anabel .....	47	34	65x16	1892	Alice Coffey, Manistique, Mich.
Str	Andaste .....	1574	1256	266x38	1892	Grand Island Steamship Co., Grand Island, Mich.
Sch	Anderson, Alex....	798	798	193x37	1892	D. W. Mills, 5 Carter st., Cleveland.

Str Anderson, F. R. ....	30	15	75x15	1885	A. Booth & Co., Chicago, Ill.
Sch Anderson, Jane. ....	16	15	43x15	1878	J. Hewlett, Escanaba, Mich.
Sch Andrews, A. L. ....	278	264	136x26	1873	Pittsburg & Erie Coal Co., Erie, Pa.
Str Andrews, M. ....	7014	5497	552x56	1907	Henry Steinbrenner, Cleveland, O.
Tug Andy .....	53	36	68x17	1896	H. J. Howard, Chicago, Ill.
Str Angeline .....	4644	3538	423x51	1899	Pr. Isle T. Co. (Cleve. Cliffs), Cleveland, O.
Tug Angler .....	18	9	54x12	1880	Frank J. Haynes, Port Huron, Mich.
Str Anna .....	25	12	62x14	1892	A. Obecke, Grand Haven, Mich.
Str Anna M. ....	92	58	80x19	1895	S. M. Hay, Oshkosh, Wis.
C.F. Ann Arbor, No.1..	1127	563	260x53	1892	Ann Arbor R. R. & S. S. Line, Toledo, O.
C.F. Ann Arbor, No.2..	1144	572	264x53	1892	Ann Arbor R. R. & S. S. Line, Toledo, O.
Str Ann Arbor, No.3..	1677	996	258x52	1898	Ann Arbor R. R. & S. S. Line, Toledo, O.
Str Ann Arbor No. 4	1884	1082	259x52	1906	American Ship Building Co., Cleveland, O.
Tug Annie .....	78	48	75x20	1889	Great Lakes Towing Co., Cleveland, O.
Tug Annie .....	75	37	80x18	1884	John B. Breyman, Toledo, O.
Str Annie .....	29	29	155x27	1906	W. C. Grisall, Bay City, Mich.
Str Annie D. ....	20	10	54x13	1886	Benj. H. Ter Baste, Sheboygan, Wis.
Str Annie Laura .....	244	189	133x24	1871	Mrs. C. McG. Koch, Sandusky, O.
Str Annie R. ....	32	22	57x14	1900	C. F. Mischler, Cleveland, O.
Gas Anona .....	9	7	32x7	1904	Carl B. Harvey, Omro, Wis.
Str Anspach .....	15	8	45x12	1879	Laura V. Rudeck, Frankfort, Mich.
Gas Antelope .....	10	9	43x9	1902	Frank Emmons, Detroit, Mich.
Sch Antrim .....	3200	2902	306x44	1897	J. C. Gilchrist, Cleveland, O.
Str Apache .....	21	12	57x8	1898	Spencer Kellogg, Buffalo, N. Y.
Gas Apache .....	16	7	53x13	1903	Mizel & Brownell, New York City.
Tug Apollo .....	83	56	87x16	1890	S. D. Uplam, Saugatuck, Mich.
Str Arabia .....	1395	1202	221x34	1873	Frank S. Upton, Charlotte, N. Y.
Gas Arbutus .....	9	6	43x11	1904	Eugene F. Cooley, Lansing, Mich.
Gas Arcadia .....	17	14	43x14	1904	W. L. Baum, Chicago, Ill.
Str Arcadia .....	230	146	118x26	1888	Harry May, Cleveland, O.
Str Arctic .....	9	6	36x10	1906	Silver Lake Ice Co., Buffalo, N. Y.
Tug Arctic .....	71	42	76x18	1881	Walter M. Thompson, Duluth, Minn.
Tug Arctic .....	23	17	50x18	1881	John Lay, Sandusky, O.
Sch Arenac .....	521	496	179x35	1888	Comstock & Sinclair, Duluth, Minn.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Arendal	207	198	123x26	1873	Evan Neilsen, Muskegon, Mich.
Str	Argo	721	490	192x35	1895	Argo Steamship Co., Cleveland, O.
Sch	Argo	14	14	36x14	1873	Benjamin Parmalee, Waukegan, Ill.
Bge	Argo	168	160	107x24	1868	Ogdensburg Coal Co., Ogdensburg, N. Y.
Yly	Argo	9	9	35x9	1899	E. M. Arden, Chicago, Ill.
Bge	Argosy	168	160	107x24	1868	Geo. Hall Coal Co., Ogdensburg, N. Y.
Str	Argosy	48	33	60x16	1904	Samuel M. Sloan, Buffalo, N. Y.
Str	Ariel	201	119	95x28	1881	Walkerville & Det. F. Co., Detroit, Mich.
Str	Ariel	7	6	43x8	1898	W. R. Hitchcock, Massena, N. Y.
Str	Arita	13	9	46x13	1901	E. Loesch, Erie, Pa.
Str	Arizona	765	601	180x32	1868	Gray Transportation Co., Cleveland, O.
Str	Armour, P. D.	1990	1452	204x40	1889	Est. of W. M. Egan, Arthur C. Helm, Mngr., Chicago.
Sch	Armstrong, Thos.	89	85	82x21	1888	J. Fleury, Isle La Motte, Vt.
C.F.	Armstrong, Wm.	181	90	100x30	1876	D. H. Lyon, Ogdensburg, N. Y.
Sch	Arrow	39	37	65x15	1879	P. F. Goodlet, Marinette, Wis.
Stp	Arrow	365	182	165x28	1895	Sandusky & Isl. Sbt. Co., E. McFall, Mngr., Sandusky, O.
Sty	Arrow	14	9	46x10	1901	Gco. Waters, Jr., Frankfort, Mich. Out of Com.
Gap	Arthur	11	9	40x10	1906	James H. Zahn, Chicago, Ill.
Str	Arthur	36	18	55x14	1889	Cornelius Tamms, Milwaukee, Wis.
Str	Arthur	25	13	54x15	1890	Thos. Hadlund, Bayfield, Wis.
Sty	Arthur S.	22	15	58x13	1892	David Blom, Holland, Mich.
Tug	Arthur D.	21	10	48x13	1889	Great Lakes Towing Co., Cleveland, O.
Tug	Arthur, P. W.	21	14	50x13	1875	Hans P. Hansen, Escanaba, Mich.
Str	Arundell	339	257	166x26	1873	A. R. Lee, Detroit, Mich.
Sch	Ashford	132	106	95x17	1883	Wm. J. Warwick, Buffalo, N. Y.
Str	Ashland	97	57	87x19	1867	Schroeder Lumber Co., Milwaukee, Wis. Rebuilt 1899.
Sch	Ashland	991	956	218x37	1886	Edw. Hines Lumber Co., Chicago.

Str †Ashtabula .....	2670	1525	338x56	1906	Pennsylvania Ontario Transportation Co., Cleveland, O.
Tug †Aspen .....	377	.....	126x25	1906	U. S. Lighthouse Establishment, Washington, D. C.
Sch Athens .....	2073	1953	293x45	1897	Lake Erie Trans. Co., Cleveland, O.
Str Atlantis .....	197	106	109x23	1887	J. R. Snook. Mt. Clemens, Mich.
Ltr Atlas .....	232	113	116x30	1903	Herman Dahike, Chicago, Ill.
Sch Atmosphere .....	275	261	134x25	1863	John G. Muir, Pt. Huron, Mich.
Str Auburn .....	1762	1662	258x35	1878	Western Transit Co., Buffalo, N. Y.
Str Augur, Chas. H. ....	25	13	58x13	1889	Abram Fisher, Grand Haven, Mich.
Str Augusta .....	11	5	60x8	1901	Charles Kellogg, Ithaca, N. Y.
Cbt Augusta G .....	117	108	96x17	1889	Geo. J. Liase, Burlington, Vt.
Sch Augustus .....	64	59	77x20	1885	A. E. Dow, Manitowoc, Wis.
Str †Aurania .....	3218	2899	352x44	1895	John Corrigan, Cleveland, O.
Sch Aurora .....	2236	2181	290x41	1900	Henry Wineman Jr., Detroit, Mich.
Gas Ausable .....	19	13	45x11	1896	F. R. Wells, Burlington, Vt.
Sch Austin, J. C. ....	135	109	95x17	1886	Geo. E. Huntley, Buffalo, N. Y.
Str †Australia .....	3845	2877	376x48	1897	James Corrigan, Cleveland, O.
Str Averell, Wm. J. ....	1603	1425	241x37	1884	Rutland Trans. Co., Ogdensburg, N. Y.
Sch Avery, H. M. ....	33	31	60x16	1887	Wm. Dukeshner, Muskegon, Mich.
Str Avery, Newell. ....	25	12	57x13	1875	Harry Nichols, Charlevoix, Mich.
Tug Avery, Waldo A. ....	70	58	78x16	1880	Great Lakes Towing Co., Cleveland, O.
Tug Avery, Wm. ....	9	.....	.....	1901	Battle Island Paper Co., Fulton, N. Y.
Str Avon .....	1417	1147	251x35	1877	Ogdensburg Coal & T. Co., Ogdensburg, N. Y.
Str Aztec .....	834	653	180x33	1889	Spence Bros., Cleveland, O.

## B

Tug Babcock, W. I. ....	63	31	71x17	1888	Great Lakes Towing Co., Cleveland, O.
Tug Bacon, F. W. ....	37	24	68x14	1891	Frank J. Matters, Dunkirk, N. Y.
Sch Bacon, Melvin S. ....	614	584	182x33	1874	Abraham King, Marine City, Mich.
Gas Badger .....	10	9	41x10	1902	A. A. Haerth, Menah, Wis.
Str Badger State .....	987	783	213x33	1862	Reeves & McBean Lumber Co., Detroit, Mich.
Tug Baker, Fannie L. ....	43	21	68x17	1888	John Dunseith, Toledo, O.
Str †Baker, George F. ....	7210	5459	605x58	1906	Pittsburg Steamship Co., Cleveland, O.
Str Baker, Nettie .....	13	7	39x9	1893	Name changed to Burgard.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Balcom	50	48	78x30	1882	Geo. H. Holt, Duluth, Minn.
Bge	Baldwin, H. P.	495	470	177x33	1866	Cleveland Dredge & Dock Co.
Bge	Baldwin, S. C.	412	406	160x30	1871	Adolph Green, Green Bay, Wis. Rebuilt 1905.
Tug	Balize	250	157	130x21	1863	Thomas Charlton, N. Tonawanda, N. Y.
Str	†Ball Bros.	5733	4438	480x52	1905	G. A. Tomlinson, Duluth.
Str	†Ball, Frank C.	6909	5459	530x56	1906	G. A. Tomlinson, Duluth.
Sch	Baltic	915	869	202x34	1890	Henry J. Pauly, Duluth, Minn.
Sch	B and C	99	71	112x17	1876	Western Stone Co., Chicago, Ill.
Str	Bangs, Anson M.	178	63	101x23	1897	Geo. F. Freitas, Sandusky, O.
Str	Banks, Louis	23	16	51x12	1897	Willard T. Babb, Dunkirk, N. Y. Rebuilt 1905.
Str	Bapt, Frank L.	42	28	59x17	1895	Empire Limestone Co., Buffalo, N. Y.
Str	Barker, S. B.	176	131	96x17	1882	A. Booth & Co., Chicago, Ill.
Str	†Barlum, Thomas	5752	4485	500x52	....	Postal S. S. Co., Detroit, Mich.
Sch	Barnes, Bertha	330	272	151x30	1872	Patrick Myers, Chicago, Ill.
Sch	Barnes, C. C.	489	460	168x31	1873	L. S. Sullivan, Toledo, O.
Str	Barnes, Frank C.	46	29	66x16	1892	Oscar Olson, Duluth, Minn.
Tug	Barnhurst, H. G.	36	18	74x16	1885	Wm. J. Kelley, Adms., Erie, Pa.
Str	Barth, L. L.	683	491	185x35	1889	E. Hines Lumber Co., Chicago, Ill.
Str	†Bartow, J. H.	6316	5021	524x54	1906	E. D. Carter, Erie, Pa.
Str	Batavia	202	158	98x28	1904	Lehigh Valley Trans. Co., Buffalo, N. Y.
Bge	Bath	1192	1132	253x36	1889	Boutell Steel Barge Co., Bay City, Mich.
Str	Battle, James	198	123	116x25	1900	City of Detroit Fire Com.
Str	Bay State	59	29	53x18	1874	Francis Wells, Bay City, Mich.
Str	Beard, James	86	67	73x17	1873	Pt. H'n & Sarnia Fy. Co., Port Huron, Mich.
Str	†Beatty, Chas.	986	814	211x40	1902	Volunteer Trans. Co., Perry-Payne Bldg., Cleveland, O.
Str	Beaver	121	80	98x19	1892	John McCann, St. James, Mich.
Sch	Beaver Queen	19	19	40x13	1899	C. C. Gallagher, St. James, Mich.
Sch	Becker, R. H.	140	133	108x23	1867	C. B. Freyberg, Sheboygan, Wis.
Str	†Bedell, Ossian	296	192	104x28	1901	John V. Bedell, Buffalo, N. Y.
Sch	†Bell, Sir I. L.	3418	8158	365x45	1896	Pittsburg Steamship Co., Cleveland, O.

Sch	Belle	.....	104	98	94x24	1856	Nettie R. Ludwig, Benton Harbor, Mich.
Str	Belle	.....	97	18	60x13	1885	A. C. Majo, Duluth, Minn.
Sch	Belle of Epoufette..	19	17	54x13	1897	Leonard Fitch, Frankfort, Mich.	
Str	Bellingher, A. A.....	14	7	43x12	1880	Ios. D. Kropp, Tonawanda, N. Y.	
Str	Bennington	.....	3500	256x43	1906	Rutland Transit Co., Ogdensburg, N. Y.	
Bge	Bennington	.....	250	250	112x32	1891	Reid Wrecking Co., Port Huron, Mich.
Str	Benton	.....	304	159	152x28	1867	W. H. Ellery, et al., Detroit, Mich.
Str	Berger	.....	47	32	69x18	1903	John Coffey, Manistique, Mich.
Str	Bermuda	.....	1312	1079	220x41	1897	Jas. Davidson, W. Bay City, Mich.
Str	Berry, B. F.	.....	.....	.....	500x52	1908	H. K. Oakes, Detroit, Mich.
Sch	Bertie	.....	43	35	69x19	1896	Albert Leferest, Erin, Mich.
Sch	Berwyn	.....	269	238	132x29	1866	J. P. Bates & Co., Chicago, Ill.
Str	Bessemer, Sir H.....	4321	3293	413x48	1896	Pittsburg Steamship Co., Cleveland, O.	
Str	Bessie	.....	89	44	97x20	1880	A. B. Meyer, Sandusky, O.
Str	Bethlehem	.....	2633	1902	290x40	1888	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str	Bielman, C. F.	.....	2056	1709	291x41	1892	McLachlan Trans. Co., Port Huron, Mich.
Str	Bielman, C. F., Jr	.....	.....	.....	75x14	1907	C. F. Bielman, Detroit, Mich.
Str	Bigelow, H. P.	.....	46	37	67x14	1893	J. A. Davis, Alexandria Bay, N. Y.
Str	Binghamton	.....	1953	1722	265x39	1882	Union Steamboat Line, Buffalo, N. Y.
Tug	Birckhead, L.	....	32	16	61x16	1883	S. C. Schenck, Toledo, O. Rebuilt 1905.
Str	Bird, Francis A.	....	14	7	40x12	1893	Frank Roneker, Tonawanda, N. Y.
Sch	Birdie	.....	11	11	36x13	1895	John Mason, Muskegon, Mich. Out of Com.
Sch	Bishop, Anna R.	... 448	365	146x34	1880	.....	.....
Sch	Bissell, Arthur D.	.....	137	112	90x17	1881	J. H. Hawley, Buffalo, N. Y.
Sch	Riwabik	.....	1401	1332	240x41	1894	D. W. Mills, 5 Carter st., Cleveland.
Str	Bixby, W. K.	.....	5712	4407	480x52	1906	National Steamship Co., Detroit, Mich.
Str	Black, Clarence A.	.....	4521	3474	413x50	1898	Pittsburg Steamship Co., Cleveland, O.
Sch	Black Hawk	.....	172	163	122x24	1861	Capt. J. A. Nelson, 631 6th ave., Milwaukee, Wis.
Str	Black Diamond	.....	642	437	132x35	1902	Pittsburg Coal Co., Cleveland, O.
Bge	Black Diamond	.....	295	281	144x26	1875	Adolf Lomer, Brooklyn, N. Y.
Sch	Black Diamond	.....	552	541	171x35	1883	D. & C. Nav. Co., Detroit, Mich.
Str	Black Rock	.....	1997	1536	237x43	1897	R. J. Dunham, 39 N. State st., Chicago.
Sch	Blaine, Jas. G.	.....	555	527	177x33	1867	Walter K. Fullum, Buffalo, N. Y.
Tug	Blazier, J. S.	.....	87	62	74x17	1867	Geo. Breyman, Toledo, O. Rebuilt 1890.
Str	Bloeker, Emma	.. 31	14	56x13	1889	Chas. M. Hyttel, Sr., Racine, Wis.	



AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Bloom, Nelson	549	521	197x31	1863	J. P. Harrow, Algonac, Mich.
Sch	Blue Lodge	39	19	78x12	1867	Eugene D. Hall, Florida, O.
Sch	B No. 16	116	116	89x22	1891	Alexander McDonald, Duluth, Minn.
Sch	Bge No. 20	772	772	162x40	1905	Cleveland Dredge & Dock Co., Cleveland, O.
Sip	Bobolink	5	5	31x11	1897	W. H. Rees, Clayton, N. Y.
Sch	Bock, Isolda	70	66	76x21	1881	J. J. Olson, Manitowoc, Wis.
Str	†Boland, John J.	6035	4530	500x54	....	York S. S. Co., J. J. Boland, Mgr., Buffalo, N. Y.
Str	Bolton, Chas. E.	20	12	49x14	1882	Graves & Stephens, Cleveland, O.
Str	Bon Ami	226	149	108x21	1894	A. Booth & Co., Chicago.
Str	Bond, Nelson	21	10	59x13	1891	Wm. W. Brown, Detroit, Mich.
Tug	†Bonita	58	39	68x17	1903	Graham & Morton Trans. Co., St. Joseph, Mich.
Sch	B No. 5	63	63	65x20	1882	Lake Superior Contracting & Dredging Co., Board of Trade, Duluth, Minn.
Sch	B No. 12	122	122	113x24	1888	
Sch	B No. 15	116	116	89x22	1891	
Sch	B No. 17	122	122	113x24	1898	
Sch	B No. 18	136	136	112x24	1898	
Sch	B No. 19	169	169	115x24	1899	
Sch	B No. 20	167	167	115x24	1899	
Sch	B No. 21	398	398	130x32	1900	
Sch	B No. 22	399	399	146x32	1901	
Sch	Bonita	73	49	110x16	1892	Isaac Stephenson, Marinette, Wis.
Sip	Ronner, J.	74	39	83x19	1901	R. Knox, Mgr., Vans Harbor, Mich.
Str	†Bope, H. P.	5750	4422	552x56	1907	Standard Steamship Co., Duluth, Minn.
Str	†Bos, C. J.	34	23	59x14	1898	Wm. Ver Duin, Grand Haven, Mich.
Sip	Boscobel	76	38	76x26	1880	Cook & Brown Line Co., R. C. Brown, Mgr., Oshkosh, Wis.
Str	†Boston	1829	1669	263x36	1880	Western Transit Co., Buffalo, N. Y.
Sch	†Botsford, R.	499	474	167x32	1882	Saginaw Bay Trans. Co., Cleveland.
Sch	Bourke, Mary N.	920	874	219x35	1889	Geo. Nester, Detroit, Mich.
Str	Boutin, N.	46	23	68x18	1882	Herman Greiling, Green Bay, Wis.

Sch	Boyce, G. J. ....	319	303	136x30	1884	Ole Hanson, Milwaukee, Wis.
Str	Boyce, Isabella J. ....	368	316	138x20	1889	John C. Pringle, St. Clair, Mich.
Str	Boyce, Mary H. ....	700	476	181x34	1888	F. W. Smith, Milwaukee, Wis. Rebuilt 1892.
Tug	Boyd, Harry H. ....	36	24	68x15	1895	Simon Schacht, Erie, Pa. Rebuilt 1906.
Tug	Boynnton, C. L. ....	103	51	86x21	1894	Great Lakes Towing Co., Cleveland, O.
Str	Bradley, Chas. H. ....	804	624	201x37	1890	O. W. Blodgett, Bay City, Mich.
Str	Bradley, M. A. ....			482x52	1908	Alva S. S. Co., M. A. Bradley Mgr., Cleveland, O.
Str	Bradshaw, Mabel ..	331	177	135x26	1889	A. Booth & Co., Chicago.
Sly	Bradwell, Hattie ..	26	24	50x14	1892	Name changed to Tarpon.
Str	Brady, John I. ....	118	59	96x21	1891	Gulf Co., Chicago, Ill.
Sch	Brainard, Katie ...	412	393	169x30	1871	W. E. Donely, Saginaw, Mich.
Sch	Brake, Wm. ....	318	302	143x26	1867	Peter La Croix, Port Huron, Mich.
Str	Bransford .....	457	386	414x50	1902	W. A. Hawgood, Cleveland, O.
Str	Brazil .....	2186	1655	276x40	1890	Wisconsin Transportation Co., Sheboygan, Wis.
Tug	Breyman, G. H. ....	60	41	75x19	1903	John B. Breyman, Toledo, O.
Tug	Breyman, John B. ..	59	40	71x18	1885	John B. Breyman, Toledo. Rebuilt 1904.
Dge	Brian Boru ....	348	296	94x28	1889	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Sch	Bridgeport .....	125	125	95x19	1880	Thos. M. Ryan, Buffalo, N. Y.
Sch	Brier .....	87	59	99x16	1882	E. H. Brown, Chicago, Ill.
Sch	Brightie .....	600	570	182x33	1868	O. W. Blodgett, Bay City, Mich.
Bge	Brink, Ben .....	317	317	150x29	1888	Western Transit Co., Buffalo, N. Y.
Str	Britannia .....	791	401	164x45	1906	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Str	Britannic .....	1121	904	219x36	1888	H. McMorrin, Port Huron, Mich.
Str	Briton .....	2348	1875	296x40	1891	Pittsburg Steamship Co., Cleveland, O.
Tug	Brockway, Geo. E. ...	164	82	115x20	1887	Great Lakes Towing Co., Cleveland, O.
Str	Brogan, L. T. ....	55	30	66x18	1906	Cleveland Dredge & Dock Co., Cleveland, O.
Sch	Bronson, Tracy J. ...	277	263	137x26	1857	Buffalo Dredging Co., Buffalo, N. Y.
					Out of commission.	
Str	Brooks, H. G. ....	20	14	57x14	1888	Eugene Thompson, Erie, Pa. Rebuilt.
Str	Brooks, LeRoy ....	41	25	75x14	1891	Herman D. Rehberg, Middle Bass Island, O.
Str	Brower, A. G. ....	3582	2778	346x43	1902	U. S. T. Co., Rockefeller Bldg., Cleveland.
Str	Brower, Henry F. ...	30	15	60x15	1882	Jacob Johnson, Bayfield, Wis.
Str	Brown, Harvey H. ...	2673	1874	351x40	1894	Northwestern Trans. Co., Detroit, Mich.

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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Brown, J. J. H. ....	...	452x52	1908	Brown Steam Ship Co., Buffalo, N. Y.	
Str	†Brown, Wm. L. ....	4998	3967	1901	John Mitchell, Cleveland, O.	
Str	Brown, Willie ....	19	10	47x13	1871 Rebecca L. Flecher, Saginaw, Mich.	
Tug	Brown, Tom .....	97	18	65x14	1870 Wm Harman, Chicago, Ill.	
Str	Brown, Fayette ....	2080	1217	252x40	1887 Northwest'n Trans. Co., 15 Atwater Bld., Detroit.	
Sch	Brown, Belle .....	217	207	124x27	1873 Ingbert Tillefsen, Milwaukee, Wis.	
Str	Brown, M. P. ....	60	54	88x 5	1890 Edgewater Lighterage Co., Buffalo, N. Y.	
Str	†Brown, W. W. ....	3582	2778	346x48	1902 U. S. T. Co., Rockefeller Bldg., Cleveland.	
Str	Brownie .....	13	6	65x10	1896 Geo. E. Morse, Clayton, N. Y.	
Str	Bruce, B. F. ....	35	17	58x15	1873 F. P. Nestor, Duluth, Minn.	
Sch	†Bryn Mawr .....	4294	3853	400x50	1900 Pittsburg Steamship Co., Cleveland, O.	
Tug	Buckeye .....	92	22	55x14	1901 Wolverine Fish Co., Detroit, Mich.	
Sch	Buckeye State ....	518	492	171x32	1873 Atlantic Coast S. S. Co., Niagara Falls, N. Y.	
Sch	Buckhout, B. B. ....	351	334	158x28	1873 Shannon & Garey, Saginaw, Mich.	
Str	Buckley, Edward ...	414	313	154x31	1891 E. Buckley, Manistee, Mich.	
Sch	Buckley, James ....	442	160	31x10	1884 Ogdensburg Coal & T. Co., Ogdensburg, N. Y.	
Cbt	Buel, Katie .....	102	97	95x17	1889 Joseph B. Pashby, Burlington, Vt.	
Str	Buell, F. R. ....	951	743	194x35	1888 Tonawanda Barge Line, N. Tonawanda, N. Y.	
Str	Bues, H. F. ....	25	12	51x13	1873 W. S. Edwards, Sault Ste. Marie, Mich.	
Tug	Buffalo .....	60	30.	68x17	1887 Great Lake Towing Co., Cleveland, O.	
Bge	Buffalo .....	308	308	161x30	1890 Harry Conlby, Cleveland, O.	
Str	†Buffalo .....	3951	3272	381x50	1899 Western Transit Co., Buffalo, N. Y.	
Sch	Buffalo .....	788	711	215x35	1871 Louise A. Pederson, Buffalo, N. Y.	
Str	Bulgaria .....	1888	1486	280x39	1887 Bulgaria Tansp. Co., Green Bay, Wis.	
Str	†Bunsen, Robt W. E.	5181	4012	439x50	1900 Pittsburg Steamship Co., Cleveland, O.	
Str	Burgard .....	13	7	39x9	1893 Henry P. Burgard, Buffalo, N. Y.	
Str	Burger .....	47	32	69x18	1903 John Coffey, Manistique, Mich.	
Tug	Burke, Robt E. ....	73	49	84x20	1899 H. J. Howard, Chicago, Ill.	
Str	†Burlington .....	3500	....	256x43	1906 Rutland Transit Co., Ogdensburg, N. Y.	
Str	†Burnham, George ..	833	219	149x29	1886 Nauge Pole & Tie Co., Chicago, Ill.	
Sch	Burton, Lomie A. ...	208	193	128x25	1873 Peder Hansen, Washington Harbor, Wis.	

Bge Burton, R. A.....	361	929	135x30	1898	A. I. Holloway, Buffalo, N. Y.
Str Business .....	958	772	191x34	1881	George B. Taylor, Erie, Pa.
Sch Butcher Boy .....	948	308	147x29	1868	Wm. Mueller Co., Chicago, Ill.
Tug Butler, Frank S.....	38	19	65x14	1865	S. C. Schenck, Toledo, O.
Str tButler, Joseph G.....	6388	5174	525x55	1905	Hutchinson & Co., Cleveland, O.
Sch Butman, Myron .....	424	403	164x31	1885	A. B. Maclaren, Toledo, O.
Str Butters, Marshall F.....	376	229	164x30	1882	O. E. Parks, Michigan City, Ind.
Sew B. W. 16.....	116	116	89x12	1891	Butler Bros., Duluth, Minn.
Tug Byers, James .....	54	27	69x17	1888	Great Lakes Towing Co., Cleveland, O.

**C**

Str Cadillac .....	19	11	50x13	1901	Timothy Hurley, Detroit, Mich.
Str tCadillac .....	1263	1068	230x37	1892	Cleveland Cliffs Iron Co., Cleveland, O.
Sch Cahoon, Thos. H. ....	431	409	166x30	1881	Shannon & Garey, Saginaw, Mich.
Bge Calcium .....	345	345	.....	1899	Empire Limestone Co., Buffalo, N. Y.
Str tCaldera .....	.....	.....	524x54	1908	S. P. Cranage, Bay City, Mich.
Str Caledonia .....	2197	1509	277x42	1888	James Corrigan, Cleveland, O.
Sch Calkins, Bertie .....	256	243	134x28	1874	M. Shaw, Cape Vincent, N. Y.
Str Callister, J. W. ....	35	24	60x13	1890	Peter Jensen, Grand Haven, Mich.
Str tCalumet .....	4928	3673	440x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.
Gas Calumet .....	7	6	39x10	1901	Joseph W. Spahn, Chicago, Ill.
Tug Calumet .....	62	31	73x19	1892	Conrad Niederman, Milwaukee, Wis.
Str tCambria .....	1878	1377	280x40	1887	Pittsburg Steamship Co., Cleveland, O.
Str Cambria .....	48	24	94x12	1894	John Stevens, Neenah, Wis.
Tug Campbell, Ben .....	59	29	74x17	1894	Great Lakes Towing Co., Cleveland, O.
Str Cangarda .....	116	63	103x17	1901	W. H. Hanson, Schenectady, N. Y.
Str Canisteo .....	595	539	182x34	1886	A. B. Maclaren, Toledo, O.
Bge Cannon .....	10	10	33x16	1905	A. A. Dygert, Clayton, N. Y.
Sch Cape Horn .....	202	192	121x25	1857	C. A. Phelps, Grand Rapids, Mich.
Sch Capitola .....	31	31	49x16	1904	W. F. Markham, Plymouth, Mich.
Str Capitola .....	123	83	137x19	1904	Harry T. Wicks, Saginaw, Mich.
Str Capt. Dave Wagner ..	19	13	54x11	1901	Dave Wagoner, Alexandria Bay, N. Y.
Str Capt. Hemans .....	34	26	50x10	1902	Leslie C. Carter, Fair Haven, N. Y.
Str Captain Visger .....	29	15	84x12	1895	W. L. Visger, Alexandria Bay, N. Y.
Bge Carbonate .....	94	94	116x28	1896	Empire Limestone Co., Buffalo, N. Y.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	N. A. Tonnage	Keel Beam	Vent. Buils	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Carbray, Felix....	591	451	218x32	1881	Detroit Transportation Co., Detroit, Mich; formerly John C. Gault.
Str	Carl .....	33	16	57x15	1889	Sophia Meyer, Milwaukee, Wis.
Sch	Carney, Fred .....	361	342	152x30	1883	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str	†Carnegie, Andrew .....	4106	3067	403x48	1897	Wilson Transit Co., Cleveland, O.
Bge	Caroline .....	33	33	60x15	1898	John Hendrick, Oswego, N. Y.
Str	Carolina .....	1304	887	220x40	1892	Walter M. Thompson, Duluth, Minn.
Tug	Carpenter, A. A....	38	19	60x15	1880	Independent Tug Line, Duluth, Minn.
Sch	Carpenter, A. A....	540	524	165x33	1881	A. B. MacLaren, Toledo, O.
Str	Carrie J.....	30	25	62x10	1898	S. H. Jenks, Grand Rapids, Mich. Out of Com.
Sch	Carrie L.....	8	8	33x11	1895	George Mooney, Erie, Pa.
Sch	Carrier .....	187	177	123x26	1865	C. G. Marshall, Chicago, Ill.
Tug	Carrington, E. T....	52	36	76x19	1876	Walter S. Lloyd, Duluth, Minn. Lost.
Tug	†Carrington, M. D....	64	32	67x16	1875	Great Lakes Towing Co., Cleveland, O.
Sch	†Carrington .....	3180	2861	352x44	1897	Pittsburg Steamship Co., Cleveland, O.
Str	Carter, B. F.....	160	101	112x24	1877	Cook & Brown Lime Co., Oshkosh, Wis.
Str	†Carter, E. D.....	6359	5063	504x54	1906	E. D. Carter, Erie, Pa.
Str	Carter, Libbie .....	33	32	62x17	1882	Benton Transit Co., Benton Harbor, Mich. Out of Com.
Str	Carter, W. J.....	235	171	122x28	1886	Churchill Lumber Co., Alpena, Mich.
Tug	Cascade .....	72	49	72x19	1895	Great Lakes Towing Co., Cleveland, O.
Str	Case .....	2278	1901	286x42	1889	J. C. Glichrist, Cleveland, O.
Sch	Case, J. L.....	827	786	208x34	1874	John J. Boland & Co., Buffalo, N. Y.
Sch	Casey, Lyman .....	291	277	136x26	1867	James P. Scott, Port Huron, Mich.
Str	†Castalia .....	3125	2229	292x40	1890	H. H. Brown & Co., Cleveland, O. Rebuilt 1905.
Str	Castanet .....	84	23	89x15	1898	W. L. Visger, Alexandria Bay, N. Y.
Str	Cataract .....	1198	742	33x14	1882	Myles Trans. Co., Ltd., Niagara Falls, N. Y. Formerly Str. Myles.
Str	Catherine .....	46	30	67x18	1892	Harry T. Wicks, Saginaw, Mich.

<b>Stp</b> †Cayuga .....	6359	5063	306x36	1906	Niagara Navigation Co., Toronto, Can.
<b>Str</b> †Cayuga .....	27	16	57x11	1872	Isaac B. Langford, Montague, Mich.
<b>Sch</b> Celt .....	11	10	39x10	1867	Frank B. Lazier, Duluth, Minn.
<b>Sch</b> Centennial .....	8	7	33x12	1879	H. C. Bristol, Tawas, Mich. Rebuilt.
<b>Str</b> Centennial .....	29	18	49x13	1876	John H. Lewis, Muskegon, Mich. Out of Commission.
<b>Str</b> †Centurion .....	3401	2728	360x45	1893	Hopkins S. S. Co. (Cl. Cliffs I. Co.), Cleveland
<b>Sch</b> Challenge .....	87	82	87x22	1852	E. B. Mattson, Sheboygan, Wis.
<b>Tug</b> Chamberlain, H. L. ..	56	28	65x16	1889	Great Lakes Towing Co., Cleveland, O.
<b>Tug</b> Chamberlain, Selah. ..	33	16	59x15	1884	The Standard Contracting Co., Cleveland, O.
<b>Sch</b> Chambers, Charles..	90	85	67x22	1895	Chas. Chambers, Detroit, Mich.
<b>Str</b> Charles D. ....	25	23	60x14	1894	Chas. W. McConnell, Indian River, Mich
<b>Sch</b> Charlotte .....	54	54	73x20	1901	J. A. Lawrence, Chicago, Ill.
<b>Sly</b> Charlotte R. ....	18	17	44x12	1895	J. T. Bondy, Chicago, Ill.
<b>Tug</b> Charm .....	25	18	61x16	1885	Mary A. Burns, Buffalo, N. Y.
<b>Tug</b> Charnley, C. M.....	83	41	78x19	1882	Dunham Towing & Wrecking Co., Chicago, Ill.
<b>Tug</b> Chase, Stephen ....	45	31	69x16	1902	Geo. Owen, Ashtabula, O.
<b>Stp</b> †Chateaugay .....	742	576	196x29	1888	Champlain T. Co., Burlington, Vt.
<b>Sch</b> Chattanooga .....	2339	2266	308x45	1898	Grand Island Steamship Co., Grand Island, Mich.
<b>Scw</b> Cheboygan .....	95	95	.....	1894	W. A. Whitney, Superior, Wis.
<b>Sty</b> Chemun .....	8	5	31x 6	1895	Geo. W. Pound, Buffalo, N. Y.
<b>Str</b> †Chemung .....	2615	1943	325x41	1888	Union Steamboat Line, Buffalo, N. Y.
<b>Tug</b> Cheney, O. W.....	46	24	66x16	1881	Great Lakes Towing Co., Cleveland, O.
<b>Str</b> Chequamegon .....	141	112	112x22	1903	Mayor Fredericks, Traverse City, Mich.
<b>Str</b> Cherokee .....	1304	1019	208x35	1889	W. S. Brainerd, Toledo, O.
<b>Gas</b> Chester .....	8	6	42x 9	1904	W. C. Brusger, Chicago, Ill.
<b>Sly</b> Chetopa .....	6	6	31x 9	1890	F. J. Snite, Chicago, Ill.
<b>Gas</b> Chicago .....	9	8	52x10	1902	Frank Marlinek, Chicago, Ill.
<b>Stp</b> Chicago .....	746	589	205x30	1874	Goodrich Transportation Co., Chicago, Ill.
<b>Tug</b> Chicago .....	40	20	60x17	1882	Dunham Towing & Wrecking Co., Chicago, Ill.
<b>Str</b> †Chicago .....	9195	2546	324x44	1901	Western Transit Co., Buffalo, N. Y.
<b>F. B.</b> Chicago .....	78	12	81x18	1882	Chicago Fire Dept., Rebuilt 1901.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Chickamauga .....	2472	2399	322x45	1898	W. C. Richardson, Mngr., Cleveland, O.
Sch	Chieftain .....	2704	2692	342x46	1902	James Davidson, Bay City, Mich.
Str	†Chili .....	2584	1845	320x42	1895	M. M. Drake, Buffalo, N. Y.
Ywl	Chinook .....	10	10	35x11	1893	J. J. Gill, Steubenville, O.
Scw	Chinook .....	316	316	121x32	1904	Eli Jacques, Duluth, Minn.
Str	Chipman, Susie .....	216	164	122x26	1885	Julius Kroos, Sheboygan, Wis.
Sch	Chippewa .....	1290	1239	220x36	1890	W. S. Brainerd, Toledo, O.
Str	Chisholm Jr., Alv. S .....	435	259	150x35	1900	Kelley Isl. Lime & T. Co., Cleveland, O.
Str	†Choctaw .....	1573	1256	266x38	1892	Grand Island Steamship Co., Grand Island, Mich.
Sch	Christian, D. E. ....	8	6	36x 9	1906	January Couter, Kelley's Island, O.
Str	Christian, Sam'l J. ....	55	32	70x17	1868	G. G. Hacket, Detroit, Mich. Lost.
Sch	Christiana .....	32	31	64x13	1874	Louis J. DeBaker, Green Bay, Wis.
Str	Christie, T. S. ....	517	471	160x30	1885	Herman H. Hettler Lumber Co., Chicago, Ill.
Str	†Christopher .....	4260	3137	410x48	1901	Christopher H. Starke, Milwaukee, Wis.
Sly	Cinderella .....	28	27	55x16	1886	F. E. Woodworth, Rochester, N. Y.
Tug	Circle .....	21	10	46x13	1885	Government Engineer, Duluth, Minn.
Str	Ciscoe .....	25	15	56x14	1895	Patrick Casey, Manistique, Mich.
Tug	†Ciscoe .....	15	8	44x12	1891	Ranney Fish Co., Cleveland, O.
Str	†City of Alpena .....	1735	1282	266x69	1893	D. & C. Nav. Co., Detroit, Mich.
Str	†City of Bangor .....	4202	3058	445x44	1896	The Lake Transit Co., Bay City, Mich.
Str	†City of Bent. Harb. ....	1286	811	251x36	1904	Graham & Morton Trans. Co., Chicago.
Str	†City of Berlin .....	2051	1711	298x41	1891	Henry Wineman, Jr., Detroit, Mich.
Str	†City of Buffalo .....	2940	1604	340x75	1896	C. & B. Transit Co., Cleveland, O. Rebuilt 1904.
Scb	†City of Chicago .....	327	310	140x30	1861	E. Hines Lumber Co., Chicago, Ill.
Str	†City of Chicago. ....	1439	1012	254x34	1890	Graham & Morton Trans. Co., Chicago, Ill. Rebuilt 1905.
Str	†City of Cleveland. ....	1923	1324	272x40	1886	See City of St. Ignace.
Str	†City of Cleveland. ....	4568	2403	422x54	1907	D. & C. Nav. Co., Detroit, Mich.
Str	†City of Detroit. ....	1919	1454	286x40	1889	D. & C. Nav. Co., Detroit, Mich.
Str	†City of Erie. ....	2498	1280	316x44	1898	C. & B. Transit Co., Cleveland, O.

Stp	City of Fremont...	705	557	190x27	1866	W. F. Horn, Chamber of Commerce Bldg Chicago.
Sch	City of Genoa.....	2446	1817	301x24	1892	J. C. Gilchrist, Cleveland, O.
Str	City of Glasgow.....	2400	1797	297x41	1891	Hutchinson & Co., Cleveland, O. Lost.
Sch	City of Gr'd Haven.	200	190	127x26	1872	Frank Geele, Sheboygan, Wis.
Sir	City of Green Bay..	257	178	134x26	1880	Warren C. Shilling, Green Bay, Wis.
Str	City of Holland....	439	381	141x29	1893	C. W. Thomson, Mng'r., St. Clair, Mich.
Str	City of Kalamazoo..	729	563	161x31	1893	Chicago-South Haven Line, Chicago.
Str	City of London.....	2005	1675	297x41	1891	R. J. Dunham, 381 N. Halsted st., Chicago.
Stp	City of Mackinac...	1749	1277	266x69	1893	D. & C. Nav. Co., Detroit, Mich.
Str	City of Marquette..	19	9	49x12	1882	Arthur S. Osburn, Duluth, Minn.
Str	City of Marquette..	341	295	114x25	1880	L. P. Hill, Kenosha, Wis.
Sir	City of Mt. Clemens.	132	97	106x23	1884	Geo. A. Douglas, Cleveland, O.
Str	City of Naples ....	2340	1973	301x42	1892	J. C. Gilchrist, Cleveland, O.
Str	City of N. Baltim'e.	80	60	94x20	1875	George A. Berridge, Bay City, Mich.
Str	City of Paris.....	2062	1714	298x41	1891	S. P. Cranage, Bay City, Mich.
Stp	City of Racine.....	1041	801	203x40	1889	Goodrich Transit Co., Duluth, Minn.
Str	City of Rome.....	1908	1594	268x40	1881	J. C. Gilchrist, Cleveland, O.
Str	City of Rossford ...	355	288	133x31	1889	Name changed to John Roberts.
Stp	City of St. Ignace	1923	1324	272x40	1886	D. & C. Nav. Co., Detroit, Mich. See City of Cleveland.
Sch	City of Sheboygan.	248	210	135x27	1871	W. Schlosser, et al., Milwaukee, Wis.
Stp	City of So. Haven..	1719	1169	247x40	1903	Chicago-South Haven Line, Chicago.
Sch	City of the Lakes..	16	15	51x14	1866	Thos. Wolf, Shepardsville, O.
Stp	City of the Straits..	1094	811	234x36	1878	D. & C. Nav. Co., Detroit, Mich.
Stp	City of Toledo.....	1003	654	212x31	1891	White Star Line, Detroit, Mich.
Str	City of Traverse....	1153	925	214x33	1871	Graham & Morton Transp. Co., Chicago, Ill.
Sch	Clara .....	232	221	130x27	1874	James Doherty, Chicago, Ill.
Sch	Clara .....	24	20	55x14	1898	Fred Olson, Manistee, Mich.
Sty	Clara .....	21	10	60x12	1899	H. H. Westinghouse, Ithaca, N. Y.
Str	Clara Belle .....	46	31	73x16	1876	F. W. Gilchrist, Alpena, Mich.
Sly	Clara H.....	6	5	29x11	1901	Name changed to Windward.
Str	Clara S.....	17	12	50x13	1896	Carl Johnson, Erie, Pa.
Str	Clarlion .....	1711	1513	240x36	1881	E. & W. T. Co., An'r Line., Buffalo, N. Y.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.



AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Bge	Clark, J. T.	164	164	110x25	1898	Alexander Ruelle, Detroit. Not in commission.
Str	†Clarke, E. A. S.	4713	3159	416x50	1899	Mitchell & Co., Cleveland, O.
Cbt	Clark, John W.	99	94	95x17	1890	J. B. Pashby, Burlington, Vt.
Str	Clayt	10	9	40x10	1887	M. R. Pickands, Cheboygan, Mich.
Slp	Clayton, Belle	14	13	41x13	1885	H. E. Consaul, Clayton, N. Y.
Sch	Clary, Wm. E.	140	110	96x17	1887	W. H. Scott, Buffalo, N. Y.
Str	†Clement, S. M.	5821	4487	480x52	1905	Mitchell & Co., Cleveland, O.
Str	†Clenson, D. M.	5531	3991	468x52	1903	Provident S. S. Co., A. B. Wolvin, Mngr., Duluth, Minn.
Sch	Clinton, D. K.	729	692	168x32	1872	Teagan Bros., Detroit, Mich.
Str	Clinton	124	62	96x24	1898	Kelley Island L. & T. Co., Cleveland.
Slp	Clover	15	14	33x11	1885	A. E. Patterson, Alexandria Bay, N. Y.
Str	Clyde	1306	1158	256x36	1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Sch	Coates, L. B.	189	179	116x25	1874	W. G. Jenks, Port Huron, Mich.
Tug	Coates, Peter	32	20	61x15	1886	C. F. Mischler, Sandusky, O.
Sch	Cobb, Ahira	945	897	201x33	1872	M. A. Bradley, Cleveland, O.
Str	Cockell, Bertha L.	22	12	58x12	1884	Herbert J. Knight, Erie, Pa. Seized by Canada.
Str	†Codorus	2165	1802	275x40	1892	E. & W. T. Co. An'r L., Buffalo, N. Y.
Str	Coe, S. S.	31	15	66x15	1868	Independent Tug Line, Milwaukee, Wis.
Str	Coffinberry, H. D.	778	509	191x33	1874	E. M. Carleton, Cleveland, O.
Str	Colborn, A. R.	251	154	129x27	1882	Marine Nav. Co., Geo. G. Oliver, Mgr., Michigan City, Ind.
Str	†Cole, Darius, See Steamer Huron.					
Str	†Cole, Thomas F.	7268	5484	580x58	1906	Pittsburg Steamship Co., Cleveland, O.
Str	†Colgate, Jas. B.	1713	1318	308x38	1892	Pittsburg Steamship Co., Cleveland, O.
Str	Colonel	3879	3044	356x50	1901	Michigan Steamship Co., Detroit, Mich.
Str	Colonial	1713	1323	244x36	1882	J. C. Gilchrist, Cleveland, O.
Str	Colonial	110	80	91x17	1895	De Witt Mickley, Waterloo, N. Y.
Bge	Colorado	186	176	118x26	1866	Charlevoix Lumber Co., Charlevoix, Mich.
Tug	†Colton, A. W.	92	48	81x18	1881	Great Lakes Towing Co., Cleveland, O.

Dge	Columbia	.....	522	392	124x40	1903	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Columbia	.....	26	17	58x12	1896	Jasper Ellis, Clayton, N. Y.
Str	Columbia	.....	1373	1053	235x35	1881	John Kelderhouse, Buffalo, N. Y.
Str	Columbia	.....	139	90	109x20	1892	George T. Arnold, Mgr., Mackinaw Island, Mich.
Sch	Columbia	.....	130	104	92x17	1889	Joseph W. Otts, Buffalo, N. Y.
Str	Columbia	.....	83	41	81x17	1892	Peter Anderson, Marquette, Mich.
Tug	†Columbia	.....	114	77	84x20	1900	Michael Sullivan, Detroit, Mich.
Stp	†Columbia	.....	968	549	200x..	1902	Det. B. I. & W. Ferry Co., Detroit.
Bge	Columbian	.....	356	338	138x26	1864	William H. Shelton, Dunkirk, N. Y.
Gas	Columbus	.....	26	22	59x13	1905	W. W. Woodward, Sandusky, O.
Stp	†Columbus, Ch'p'r...	1511	945	362x42	1893	Goodrich Trans. Co., Chicago, Ill.	
Gas	Columbus Y. C.	.....	60	52	66x13	1905	Theron T. Jones, Columbus, O.
Tug	Comet	.....	18	13	50x12	1899	Herbert J. Knight, Erie, Pa.
Dge	Commerce	.....	112	98	99x19	1878	Gertrude M. Denville, Toledo, O.
Sch	Commerce	.....	327	311	141x31	1857	Estate of Capt. Geo. H. Flood, Chicago, Ill.
Sch	Commodore	.....	550	510	176x34	1880	Frank Desot, Tonawanda, N. Y.
Str	Commodore	.....	2082	1927	265x42	1875	Western Transit Co., Buffalo, N. Y.
Scw	Company I.	.....	25	25	..x..	1897	W. A. Whitney, W. Superior, Wis.
Str	Conestoga	.....	1726	1562	252x36	1878	Crosby Trans. Co., Milwaukee, Wis.
Str	Conger, Omar D...	.....	196	131	92x26	1882	Pt. H. & Sarnia F. Co. Pt. Huron, Mich.
Str	†Conover, C. H.	.....	203	138	99x30	1905	Merchants Lighterage Co., Chicago, Ill.
Sch	Connelly Bros.	...	751	694	201x86	1896	Calbick Trans. Co., Chicago, Ill.
Str.	Constitution	.....	96	48	89x18	1864	James Magee, Duluth, Minn.
Tug	Constitution	.....	46	35	72x16	1900	Great Lakes Towing Co. Cleveland, O.
Sch	Constitution	.....	422	401	145x32	1861	Cleveland Dredge & Dock Co., Cleveland, O.
Sch	†Constitution	....	3862	3629	451x44	1897	Inter-Lake (P. M. & Co.) Co., Cleveland, O. Rebuilt 1905.
Sty	Contaluta	.....	38	19	75x13	1893	City Fire Department, Chicago, Ill., Protector.
Str	Conway, M. W.	.....	144	99	95x24	1906	Norman D. Carpenter, Detroit, Mich.
Sch	Cook, E. P.	.....	135	115	96x17	1881	Albert Scott, Buffalo, N. Y.
Sch	Cook, Mary Ellen...	.....	132	126	118x25	1875	Claus Weberg, Menominee Mich.
Str	†Cook, Robert H...	.....	157	78	102x21	1882	Lake Champlain Trans. Co., Whitehall, N. Y.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Tug	Cooper, George.....	53	26	68x18	1881	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Cooper, Ralph M....	27	17	58x14	1893	Ludington Ferry Co., Ludington, Mich.
Slp	Cora .....	6	6	34x12	1896	H. Robbins, Clayton, N. Y.
Sch	Cora .....	44	41	70x17	1879	John Lockland, Menominee, Mich.
Sch	Cora A.....	370	327	146x31	1889	Wm. Walsh, Chicago, Ill.
Sch	Coral .....	105	100	88x24	1865	Thos. Millor, Boyne City, Mich.
Str	†Coralia .....	4330	3351	413x48	1896	Pittsburg Steamship Co., Cleveland, O.
Str	†Corey, W. E.....	6363	5045	549x56	1905	Pittsburg Steamship Co., Cleveland, O.
Sch	†Corliss, George H..	3259	3124	352x14	1896	Pittsburg Steamship Co., Cleveland, O.
Str	Cormorant .....	977	817	218x34	1873	E. Hines Lumber Co., Chicago.
Str	Cornelia .....	38	19	61x16	1832	John C. Hines, Asst. Sec. N. C. Ry. Co., Philadelphia, Pa.
Str	Cornelia .....	59	40	88x15	1898	Wm. J. Wicks, Saginaw, Mich.
Sch	Cornelia .....	100	95	86x21	1880	F. D. Desmore, Oswego, N. Y.
Str	Cornell, Ezra .....	30	15	72x11	1900	E. G. Wyckoff, Ithaca, N. Y.
Str	†Cornell .....	5082	3986	454x50	1900	Pittsburg Steamship Co., Cleveland, O.
Sch	Corning, Ida .....	444	422	168x31	1881	Edward Hines Lumber Co., Chicago, Ill.
Str	†Corona .....	2408	1828	299x40	1888	Pittsburg Steamship Co., Cleveland, O.
Tug	Corona .....	27	13	64x16	1892	Wm. A. Osborne, Mgr., Duluth, Minn.
Sch	Corry, Mike .....	380	361	153x29	1874	Chas. W. Kotcher, Detroit, Mich.
Str	Corsair .....	36	29	58x10	1887	Philip Mago, Tonawanda, N. Y.
Str	†Corsica .....	2364	1786	299x40	1888	Pittsburg Steamship Co., Cleveland, O.
Str	†Cort, Henry .....	2234	1671	320x42	1892	Pittsburg Steamship Co., Cleveland, O.
Tug	Cortland .....	54	37	58x17	1895	Lehigh Valley R. R. Co., Buffalo, N. Y.
Str	Costello, Dan. ....	27	13	47x14	1874	Hulda Schulthers, Milwaukee, Wis.
Str	†Cotton, Nellie....	37	20	63x14	1867	M. M. DeHaas, Marquette, Mich.
Str	†Coulby, Harry .....	6495	4939	549x56	1906	L. C. Smith Transit Co., Syracuse, N. Y.
Str	Covell, Mark B....	261	192	130x26	1888	Name changed to P. M. No. 6.
Str	†Cowe, John B.....	4731	3911	420x50	1902	Cowle T. Co., Williamson Bldg., Cleveland.
Sch	Cowles, Henry ....	94	89	79x23	1881	J. P. Cummings, Chicago, Ill.
Str	Cowles, Theodore E.	83	22	49x15	1905	Benjamin L. Cowles, Buffalo, N. Y.

Tug	Craig	.....	32	21	53x15	1905	Craig Ship Building Co., Toledo, O.
Str	†Craig, Geo. L.	.....	3762	3130	360x50	1903	Thos. Adams, Detroit, Mich.
Str	†Cranage, Thomas	..	2219	1855	305x43	1893	S. P. Cranage, Bay City, Mich.
Str	Crane, Frank R.	...	16	8	47x12	1878	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	Crawford	.....	36	18	60x16	1880	Dunham Towing & Wrecking Co., Chicago.
Slp	Crazy Boy	.....	17	16	46x14	1889	William Harwood, Clayton, N. Y.
Str	†Czerar, John	.....	1550	955	241x41	1903	Gt. Lakes & St. Lawrence Trans. Co., D. T. Helm, Mgr., Chicago, Ill.
Gap	Crev Coeuer	....	12	10	56x10	1898	Floyd Rawley, Chicago, Ill.
Str	Crescent	.....	71	50	77x16	1890	A. C. Mayo, Duluth, Minn.
Str	†Crescent City	.....	4213	3875	406x48	1897	Pittsburg Steamship Co., Cleveland, O.
Str	Cresco	.....	62	36	75x17	1882	John W. Hatch, Ogdensburg, N. Y.
Str	Cresswell	.....	33	15	56x15	1882	Thos. B. Cresswell, Saginaw, Mich.
Sch	Crete	.....	2040	1920	288x44	1897	W. C. Richardson, Cleveland, O.
Str	†Crete	.....	6189	4764	500x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.
Cbt	Crombie, Wm. A.	..	113	107	94x17	1881	S. E. Newell, Burlington, Vt.
Tug	Crosby	.....	35	17	66x15	1849	John Shea, Duluth, Minn.
Tug	Crosby, E. G.	.....	84	42	89x18	1892	Great Lakes Towing Co., Cleveland, O.
Str	Cross, Belle P.	....	427	305	135x27	1870	J. H. Clow, Duluth, Minn. Rebuilt 1902 Wrecked 1903.
Str	Crouse, J. S.	.....	82	72	89x16	1898	Benton Transit Co., Benton Harbor, Mich.
Sey	Cruiser	.....	13	12	40x12	1890	Chas. V. Burton, Rochester, N. Y.
Str	Crysler, Walter	..	48	22	68x12	1882	Geo. Jepson, East Jordan, Mich.
Str	Crystal	.....	13	9	39x10	1905	Edward G. Tewks, Jr., Milwaukee, Wis.
Str	Crystal	.....	551	405	177x28	1875	Jos. H. Rebstock, Buffalo, N. Y.
Bge	Cuba Libre	.....	195	195	96x25	1895	H. T. Dunbar, Buffalo, N. Y.
Str	†Cuddy, Loftus	.....	6829	5361	525x55	1906	Mitchell & Co., Cleveland, O.
Sch	Culbert, Belle W.	...	31	26	52x16	1898	John Lundin, Marinette, Wis.
Cb	Cull, Geo. D.	.....	95	17	.....	1888	One Lake Champlain Trans. Co., Whitehall, N. Y.
Str	Culligan, Patrick	..	1558	1274	263x39	1883	John B. Hall, Buffalo, N. Y., formerly George T. Hope.
Str	Cumberland	.....	1601	1280	251x38	1881	J. C. Gilchrist, Cleveland, O.
Str	Cummings, Lou A.	..	62	41	83x16	1883	O. E. Wilbur, Charlevoix, Mich.

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Str	Currie, R. W. ....	36	18	60x14	1882	John Pasque, Bayfield, Wis.
Str	†Curry, S. S. ....	3931	2901	432x45	1893	Arthur H. Hawgood, Cleveland, O.
Sch	Cuyler, Glen .....	60	53	84x20	1859	Robert Bentrece, Bay City, Mich. Rebuilt 1902.
Sew	†Cyclone .....	79	79	50x32	1900	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	†Cynthia .....	103	70	120x17	1895	M. B. Mills, Detroit, Mich.
Str	†Cyprus .....	4945	3605	440x52	1907	Lackawanna Steamship Co, Buffalo, N. Y. Lost.
D						
Bge	D 33 .....	457	457	118x33	1901	Great Lakes Dredge & Dock Co., Chicago, Ill.
Bge	D 34 .....	457	457	118x33	1901	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sew	D 35 .....	607	607	137x36	1903	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sew	D 36 .....	607	607	137x36	1903	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sch	D 37 .....	715	675	130x36	1904	Great Lakes Dredge & Dock Co., Chicago, Ill.
Gas	D. B. C. III.....	30	25	59x11	1906	Detroit Boat Club, Detroit, Mich.
Tug	Dailey .....	9	6	41x12	1900	L. B. Newberry, Sandusky, O.
Str	Daisy .....	25	19	44x14	1881	Jacob Beller, Detroit, Mich.
Str	Daisy .....	18	12	57x13	1896	Ranney Fish Co., Cleveland, O.
Str	†Dalton, H. G. ....	1614	919	255x41	1903	Great Lakes & St. Lawrence Trans. Co., D. T. Helm, Mgr., Chicago, Ill.
Tug	Danforth, Grace ...	65	32	72x17	1888	Great Lakes Towing Co., Cleveland, O.
Cbt	Danforth, L. B. ....	98	94	94x17	1882	Herbert Pashby, Burlington, Vt.
Tug	Dark .....	11	7	35x11	1898	Christopher Warren, Tonawanda, N. Y.
Str	Dash, John A.....	13	6	52x12	1886	John A. Dash, Erie, Pa.
Str	†Davidson, A. D. ....	1640	987	241x41	1903	Great Lakes & St. Lawrence Trans. Co., D. T. Helm, Mgr., Chicago, Ill.
Str	†Davidson, J. E.....	6206	4943	504x54	1905	Inter Ocean S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	Davidson, Thomas...2226	1714	285x41	1898	Henry J. Pauly, Duluth, Minn.	
Sch	Davis, Lyman M....	195	185	123x27	1873	William Munroe et al, Muskegon, Mich.

Cbt Davis, Moses ...	116	110	96x17	1881	Alice Brunson, St. Albans, Vt.
Tug Davis, Townsend...	67	33	70x19	1890	Great Lakes Towing Co., Cleveland, O.
Str †Davoock, Wm. B. 4468	3246	40x52	1906	Vulcan Steamship Co., Cleveland, O.	
Sch Dawn .....	27	18	75x10	1901	J. S. Newberry, Detroit, Mich.
Bge Dawn .....	30	30	65x14	1901	Wm. Slate, Alexandria Bay, N. Y.
Str Day Dream .....	10	9	53x 3	1897	M. M. Wheeler, Massena, N. Y.
Tug Day, Erastus .....	69	34	70x19	1893	Great Lakes Towing Co., Cleveland, O.
Sch Day, Eliza .....	139	132	97x25	1869	Herman Christiansen, Racine, Wis.
Sch Dayton .....	462	439	184x30	1871	William H. Sharp, Bay City, Mich.
Str Deer .....	47	24	46x17	1892	W. C. Penoyer, Bay City, Mich.
Str †Defender .....	87	59	85x18	1895	Lake Champlain Trans. Co., Whitehall, N. Y.
Sch Defiance .....	111	111	90x24	1905	J. L. Larson, Marinette, Wis.
Str De Graff, L. S. ....7971	6196	605x60	1906	Weston Transit Co., North Tonawanda, N. Y.	
Sch Deland .....	136	109	94x17	1887	Thos. J. Smith, P. O. Box 104, Jersey City, N. J.
Str †Delaware .....	3901	3250	350x116	1905	Erie & Western Transit Co., Buffalo, N. Y.
Str Delaware .....	5	5	38x 7	1890	E. A. Wright, Chicago, Ill.
Sch Delaware .....	524	487	173x30	1868	O. W. Blodgett, Bay City, Mich.
Str Delaware .....	1731	1526	252x36	1878	Name changed to Chas. B. Hill.
Tug Delaware .....	19	13	39x11	1903	Jas. J. Pendergast, Buffalo, N. Y.
Sch Delight .....	6	6	30x10	1901	S. W. McMasters, Chicago, Ill.
Tug Delta .....	47	23	64x18	1883	Great Lakes Towing Co., Cleveland, O.
Sch Delta .....	269	266	134x28	1890	E. Hines Lumber Co., Chicago, Ill.
Tug Denessen, John ...	39	15	75x15	1883	Theo. J. Denessen, Green Bay, Wis.
Str Denessen, Nettie ...	54	36	84x18	1884	Wm. Denessen, Green Bay, Wis.
Str Denis Brothers ...	45	22	63x13	1881	Jos. H. Berry, Grosse Pointe, Mich.
Sch Denver .....	33	31	62x16	1887	J. P. Rector, Pt. Peninsula, N. Y.
Str Denver .....	1295	1028	222x37	1890	John Hannan, Ogdensburg, N. Y.
Str Desmond .....	456	355	149x30	1892	Detroit River Transit Co., Detroit, Mich.
Str Desmond, Cornelius 32	22	22	60x14	1899	Simon Schacht, Erie, Pa.
Tug Desmond, Jennie A. 14	7	7	46x10	1887	Cornelius W. Desmond, Buffalo, N. Y.
Tug Desmond, John ...	44	30	69x16	1900	Cornelius W. Desmond, Buffalo, N. Y.
Tug Desmond, Tim....	31	21	59x15	1898	Simon Schacht, Erie, Pa.
Str Despatch .....	11	6	34x 9	1890	Chas. H. McCutcheon, Buffalo, N. Y.
Str †Detroit ....	2089	1307	296x64	1904	Michigan Central R. R. Co., Detroit, Mich.
Str †Devereux, J. H. ....1618	1312	243x37	1885	W. C. Richardson, Cleveland, O.	

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Tug	Devney, Jas. P.....	27	17	64x14	1890	Henry Leidheiser, Vermillion, Ohio.
Str	Dewar, John D.....	52	41	72x15	1885	Perc Marquette R. R. Co., Ludington, Mich.
Ltr	Dewey .....	298	283	131x29	1854	Howard Trans. Co., Chicago, Ill.
Scw	Dewey .....	42	42	.....	1897	W. A. Whitney, W. Superior, Wis.
Str	Dewey .....	13	6	.....	1899	W. N. Grant, Fair Haven, N. Y.
Str	Dewey, Jos. B.....	22	15	64x16	1901	Millie Striebing, Cleveland, O.
Tug	Dexter .....	36	18	58x14	1866	Geo. H. Breyman, Toledo, O.
Str	Diamond .....	16	10	49x11	1902	Charles Duclon, Fish Creek, Wis.
Gas	Diamond .....	9	8	31x14	1904	P. R. Eaglesfield, Grand Rapids, Mich.
Tug	Dickinson, Wm.....	78	49	78x19	1893	Dunham Towing & Wrecking Co., Chicago, Ill.
Gas	Dierssen, F. ....	14	13	36x11	1905	Julius Zakroczmzski, Chicago, Ill.
Scb	Dimmers, Geo. W..	126	88	93x17	1890	Name changed to Ryan.
Tug	Dimick, Lorenzo..	42	21	65x16	1883	Great Lakes Towing Co., Cleveland, O.
Scb	Dimmers, C. H. ....	133	105	96x17	1882	W. M. Cole, Buffalo, N. Y.
Tug	Dittly .....	28	9	.....	1902	Joseph Day, Buffalo, N. Y.
Sch	Dixie .....	10	10	35x11	1898	R. H. Thompson, Petoskey, Mich.
Slp	Dixie .....	12	12	50x13	1898	Wm. J. Gettys, Champlain, N. Y.
Str	Dixie .....	40	26	58x13	1904	C. E. Henshaw, Omro, Wis.
Scy	Dixon, David.....	25	24	41x15	1892	Edward L. Fields, Detroit, Mich.
Tug	Dixon, S. O.....	29	14	52x15	1892	E. Gillen, et al, Racine, Wis.
Sch	Dobbins, D. P.....	447	425	162x31	1863	Argo S. S. Co., E. L. Fisher, Mngr, Cleveland, O.
Str	Doctor .....	20	15	50x13	1901	Simon Schacht, Erie, Pa.
Tug	Doctor .....	20	15	56x13	1901	Cias. N. Weis, Sandusky, O.
Scb	Dohearty, Mike ...	726	726	196x36	1899	Leatham & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Tug	Don .....	11	8	44x12	1901	Joseph Fratus, Erie, Pa.
Sch	Donaldson .....	420	399	155x31	1897	J. U. Karr, Cleveland, O.
Tug	Donaldson, Geo. S. 13	6	6	44x13	1883	M. Moffett, Buffalo, N. Y.
Str	Donaldson, J. F....	521	425	185x30	1880	W. H. Sharp, Bay City, Mich.
Cht	Donohue C. G.....	107	101	96x17	1883	J. B. Pashby, Burlington, Vt.
Tug	Donnelly, Wm. P....	54	37	62x17	1903	Elizabeth Delaney Baker, Buffalo, N. Y.

Sty	†Doozie	47	27	80x13	1901 Isaac Ellwood, Chicago, Ill.
Str	Dormer, Grace	65	48	70x17	1868 Pt. Huron & S. Ferry Co., Port Huron, Mich.
Slp	Dora	10	10	83x10	1889 E. D. Patterson, Alexandria Bay, N. Y.
Str	†Cornbos, H. J.	44	30	63x15	1901 Wm. Ver Duin, Grand Haven, Mich.
Str	Dorothy	90	62	72x16	1901 Geo. Moon, Buffalo, N. Y.
Str	Douglas	230	123	120x22	1882 Capt. Harris W. Baker, Detroit, Mich.
Tug	Douglas	97	67	82x18	1888 John Desana, Jr., Wyandotte, Mich.
Stp	Douglas, E.	107	107	112x24	1896 La Crosse, Wis.
Dge	†Dow, R. E.	199	135	120x28	1905 Craig Ship Building Co., Toledo, O.
Str	Dow, Neal H.	11	8	39x11	1898 Wm. H. Shelton, Dunkirk, N. Y.
Tug	Dowling, Tom	36	18	67x17	1873 Independent Tug Line, Duluth, Minn. Rebuilt 1887.
Str	Downey, Rob.	25	12	52x14	1893 E. J. Hingston, Buffalo, N. Y.
Tug	Downs, Kittie	34	16	63x16	1890 Great Lakes Towing Co., Cleveland, O.
Tug	Dragon	28	14	62x14	1866 M. Rabbit & Sons Co., Toledo, O.
Tug	Dreadnaught	31	15	69x15	1881 Cleveland Dredge & Dock Co., Cleveland, O.
Sty	Dresden	30	18	61x10	1899 George L. Clemons, Clemons, N. Y.
Sch	Dresden, Josephine	84	80	95x21	1852 Capt. Chas. Anderson, Sheboygan, Wis. Lost.
Tug	Drews, Fred	28	10	58x13	1900 Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Driscoll, Fred	30	17	64x14	1902 H. B. Kishman, Vermillion, O.
Scb	DuBois	136	107	95x17	1883 Wm. J. Warwick, Buffalo, N. Y.
Str	Duchess	30	24	68x13	1887 C. F. Mischler, Sandusky, O.
Tug	Dudley, Joe D.	37	18	65x15	1865 D. F. Stevens, Duluth, Minn.
Str	Duluth	247	163	98x29	1890 L. R. Boynton, St. Ignace, Mich.
Str	†Duluth	4623	3785	381x50	1903 Western Transit Co., Buffalo, N. Y.
Tug	†Dunbar, Chas. F.	136	92	86x23	1898 Daly & Hannan, Ogdensburg, N. Y.
Tug	Duncan City	179	89	104x18	1883 Geo. W. Pankrantz, Sturgeon Bay, Wis.
Str	Duncan, John	1267	997	225x37	1891 H. J. Pauly, Duluth, Minn.
Ltr	Dunford, Fred J.	275	164	127x30	1873 Pittsburg Coal Co., Cleveland, O. Rebuilt 1904.
Str	Dunham, Jas. S.	4759	3644	420x52	1906 Chicago Navigation Co., Duluth, Minn.
Str	†Dunn, John, Jr.	28	25	524x58	1907 American Transit Co., Syracuse, N. Y.
Gas	Durkee, G. R.	28	25	60x13	1887 Geo. E. Davis, Sebawaing, Mich.
Str	Duro	18	12	45x12	1905 William F. Kolbe, Youngstown, N. Y.
Str	†Duro	11	7	40x13	1894 F. E. Smith, Cleveland, O.
Dge	Dusault, D.	55	39	76x18	1886 Lake Sand & Gravel Co., Toledo, O.
Bge	Dynamiter	106	106	70x22	1894 M. Sullivan, Detroit, Mich.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.



AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
<b>E</b>						
Str	†Eads, Jas. B.....	3746	2970	400x42	1894	Pittsburg Steamship Co., Cleveland, O.
Str	Eagan, Wiley M..	1677	1380	252x39	1887	Estate of W. M. Eagan, Arthur C. Helm, Mgr., Chicago, Ill.
Str	Eagle .....	14	9	50x10	1905	Louis Boprey, Green Bay, Wis.
Str	Eagle .....	182	131	123x25	1873	Geo. P. Gubbins, Chicago, Ill.
Tug	Eagle .....	16	11	47x14	1903	Simon Schacht, Erie, Pa.
Str	†Earling, E. J.....	6657	5140	535x55	1906	G. A. Tomlinson, Duluth, Minn.
Tug	Earnshaw, F. O....	33	16	54x14	1886	Western Stone Co., Chicago, Ill.
Sch	Earny .....	35	35	53x18	1882	Ralph E. Wirt, Green Bay, Wis.
Scw	†Earthquake .....	384	384	106x30	1904	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	†Eastern States .....	3077	1566	366x45	1902	D. & B. Stbt. Co., W. C. McMillan, Mgr., Detroit
Str	†Eastland .....	1961	1218	265x38	1903	Lake Shore Navigation Co., Cleveland, O.
Str	†Easton .....	460	313	154x30	1896	A. Booth & Co., Chicago.
Str	Easton, R. P.....	19	13	46x13	1896	James Rolson, Chicago, Ill.
Gas	Eclipse .....	11	10	32x9	1905	Frank Lorens, Sheboygan, Wis.
Sch	Eclipse .....	30	26	54x17	1888	J. M. Fitzpatrick, Escanaba, Mich.
Str	Eddy, Charles A.....	2075	1552	281x40	1889	J. C. Gilchrist, Cleveland, O.
Str	Eddy, John F.....	1678	1252	259x37	1886	Tonawanda I. & S. Co., North Tonawanda, N. Y.
Str	†Eddy, Selwyn .....	2846	2164	343x42	1893	The Lake Transit Co., H. L. Shaw, Mgr., Bay City, Mich.
Str	†Edenborn, Wm.....	5910	4531	478x52	1900	Pittsburg Steamship Co., Cleveland, O.
Str	Edith .....	12	8	60x8	1900	W. N. Landon, Syracuse, N. Y.
Str	Edith .....	67	46	99x16	1904	John F. Craig, Toledo, O.
Bge	Edna .....	53	40	66x18	1866	Hugh Cuthbertson, Algonac, Mich.
Gas	Edith F. ....	14	13	49x9	1904	Anthony J. Ford, Detroit, Mich.
Sch	Edith M. ....	7	7	32x10	1906	Roy Hall, Ludington, Mich.
Tug	†Edna G.....	154	67	92x23	1896	F. E. House, Duluth, Minn.
Tug	Edna K. ....	17	12	47x12	1903	Wm. F. Kalbe, Youngstown, N. Y.
Str	Edson, C. R.....	40	27	64x15	1889	M. Alperu, Alpena, Mich.
Str	Edward K. ....	43	29	73x16	1899	Alex. Cran, St. Joseph, Mich.

Sch Edwards, J. R. ....	435	413	175x30	1883	H. McMorran, Port Huron, Mich.
Str Edwards, Wm. ....	1272	973	226x35	1879	W. C. Richardson, Mngr, Cleveland, O.
Tug Effie B. ....	51	11	72x16	1886	Wolverine Fish Co., Detroit, Mich.
Tug Effie L. ....	41	28	63x17	1875	Great Lakes Dredge & Dock Co., Chicago, Ill.
					Rebuilt 1900.
Str †Elba .....	4963	3621	440x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.
Gas Elbe .....	9	8	31x9	1900	H. T. Honrath, Frankfort, Mich.
Sch Elda .....	14	11	52x14	1903	Frank Belvall, Detour, Mich.
Sch Elda .....	14	11	40x14	1903	Clifton B. Todd, Cheboygan, Mich.
Sch Eleanor .....	421	400	161x32	1885	Tonawanda Barge Line, Chas. Weston, Mngr., N. Tonawanda, N. Y.
Bge Eleonora .....	225	209	154x34	1896	Rochester & Pitts. C. Co., Buffalo, N. Y. Out of Com.
Str Elfrida .....	146	99	123x18	1900	Wm. S. Webb, Shelburne, Vt.
Str Elgrudor .....	103	70	105x16	1903	Spencer Kellogg, Buffalo, N. Y.
Sch Elida .....	192	182	111x24	1863	Jacob Leszczynski, Milwaukee, Wis.
Str Eliza .....	15	8	47x13	1892	John Pasque, Bayfield, Wis.
Str Elizabeth G. ....	24	18	56x12	1892	Delos H. Smith, Port Washington, Wis.
Bge Elk .....	9	9	41x13	1899	Wm. Slate, Alexandria Bay, N. Y.
Tug Elk .....	57	28	81x17	1892	E. M. Bowman, Niagara Falls, N. Y.
Sly Ella .....	15	13	55x10	1874	E. S. Keeler, Alexandria Bay, N. Y.
Str Ella .....	25	22	56x12	1898	Phil Kegel, Chicago, Ill.
Dge Ella G. ....	115	109	108x27	1882	Lake Sand & Gravel Co., Toledo, O.
Str Ellen .....	349	194	121x30	1893	Milwaukee Sand & Gravel Co., Chas. B. Roberts, President, Milwaukee, Wis.
Bge Ellen .....	73	73	84x16	1898	Geo. C. Boldt, Alexandria Bay, N. Y.
Tug Ellen Gertrude ....	14	10	52x13	1896	Anna Platz, Rogers City, Mich.
Str Elliott, Clara A. ....	21	13	50x12	1882	D. J. Martin, St. James, Mich.
F. B. Elliott, James R. ....	210	114	110x25	1902	Fire Dept., Detroit, Mich.
Str †Ellwood, Isaac L. ....	5904	4526	478x52	1900	Pittsburg Steamship Co., Cleveland, O.
Tug Elma .....	29	20	63x14	1897	Daniel Elliott, Erie, Pa.
Tug Elmer .....	31	15	60x16	1882	Standard Contracting Co., Cleveland, O.
Str Eloise .....	40	30	67x15	1881	John L. Mock, Whitehall, N. Y.
Tug Elphicke, C. W. ....	43	26	63x16	1889	T. C. Lutz, Chicago, Ill.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

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Str	Elphicke, C. W.	2046	1764	273x41	1889	J. C. Gilchrist, Cleveland, O.
Str	Elphicke, Mary C.	4998	3967	430x52	1901	John Mitchell, Cleveland, O.
Sch	Elsa	11	10	34x11	1903	R. W. Parker, Erie, Pa.
Str	Elsa M.	14	7	41x11	1893	Albert Kalmbach, Sturgeon Bay, Wis.
Str	Elsie Nell	41	28	62x16	1901	Wm. Smith & Co., Waukegan, Ill.
Str	Elva	81	61	70x18	1889	Arnold Trans. Co., Mackinac Island, Mich.
Sch	Elva	69	65	86x19	1862	Emanuel Hallgren, Marinette, Wis.
Tug	E. M. B. A.	44	21	71x17	1891	C. E. Ainsworth, Sault Ste. Marie, Mich.
Str	Emerald	297	181	140x30	1871	Anthony T. May, 397 Champplain st., Detroit
Tug	Emerson, Geo.	35	17	61x15	1884	Lake Superior Dredging Co., Duluth, Minn.
Str	Emery, Temple	155	77	83x20	1886	W. L. Martin, Cheboygan, Mich.
Sch	Emily T.	9	7	38x14	1903	V. J. Thays, Green Bay, Wis.
Sch	Emily & Eliza	63	60	78x21	1874	L. C. Ludwig, Chicago, Ill.
Str	Emily L.	12	8	44x11	1893	John Hummel, Green Bay, Wis.
Gas	Emma	13	9	46x12	1902	L. E. Bahle, Suttons Bay, Mich.
Slp	Emma D.	20	19	46x16	1890	O. Patterson, Alexandria Bay, N. Y.
Tug	Emmet, Robert	32	18	65x16	1863	Chas. Leihy, Bayfield, Wis.
Str	Empire City	4118	3268	406x48	1897	Pittsburg Steamship Co., Cleveland, O.
Str	Empire State	1116	962	212x32	1862	Philip Schnorrbach, Muskegon, Mich.
Str	Endress, C. W.	73	49	86x20	1898	C. E. Ainsworth, Sault Ste. Marie, Mich.
Str	Engel, Wm.	47	32	63x17	1901	W. J. Barnett, Kenosha, Wis.
Str	England, R. W.	3887	2935	362x50	1904	Frank Seither, 11 Joseph st., Cleveland, O.
Tug	Enos, Jessie	23	16	54x14	1888	M. E. Grow, Grand River, O.
Str	Enterprise	419	354	121x40	1906	R. B. Knox, Duluth, Minn.
Tug	Enterprise	21	10	50x14	1888	Chas. E. Dahlke, Cleveland, O.
Str	Ericsson, John	3200	2378	390x48	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Erie	43	29	60x16	1897	Great Lakes Dredge & Dock Co., Chicago.
Str	Erie	21	10	56x14	1888	J. M. Bell, Port Clinton, O.
Tug	Erie	21	16	57x14	1902	Simon Schacht, Erie, Pa.
Str	Erie	290	198	124x28	1906	George Berriman, Erie, Pa.
Str	Erna	14	7	51x13	1894	Geo. D. Nau, Green Bay, Wis.

Ltr	Essen, F. B.....	334	158x31	1892	Harry Coulby, Cleveland, O.
Tug	Essex, Mart H.....	34	57x14	1900	Henry Burg, Erie, Pa.
Tug	Estelle .....	34	69x13	1874	T. D. Cortland, Duluth, Minn.
Cbt	Esther .....	137	95x17	1887	Thomas M. Hadcock, Buffalo, N. Y.
Str	Esther .....	15	38x10	1901	Ernest Knack, Milwaukee, Wis.
Sly	Ethel .....	17	42x14	1875	D. H. Goodwin, Toledo, O.
Sly	Ethel C. ....	23	74x10	1903	C. P. Redfield, Hartford, Conn.
Str	Ethel J. ....	21	59x13	1884	Henry F. Hanford, Marquette, Mich.
Tug	Evans, J. C.....	79	82x17	1876	Dunham Towing & Wrecking Co., Chicago, Ill.
Tug	Evans, J. J. ....	14	45x12	1881	John Martin, Menominee, Mich.
Str	Evelyn .....	150	124x29	1883	George Mayer, Oshkosh, Wis.
Gas	Evening Star .....	31	69x14	1905	O. W. Osmondson, Chicago, Ill.
Scl	Ewen, Frank D....	882	202x37	1888	James O'Conner, Tonawanda, N. Y.
Str	EWig, H.....	62	70x16	1901	Emil Ewig, Port Washington, Wis.
Str	Excelsior .....	229	116x29	1876	D. B. I. & W. F. Co., Detroit, Mich.
Tug	Excelsior .....	73	72x19	1892	Great Lakes Towing Co., Cleveland, O.
Sch	Excelsior .....	92	64x18	1882	Western Stone Co., Chicago, Ill.
Sch	Exchange .....	27	52x15	1871	C. O'Hara, Sheboygan, Wis.
Sch	Exilda .....	56	72x20	1889	Gilbert Yax, Algonac, Mich.
Sch	Exile .....	387	152x29	1867	Shannon & Garey, Saginaw, Mich.
Bge	Exploder .....	223	95x27	1894	M. Sullivan, Detroit, Mich.
Sch	Ewen, Frank D..	882	202x37	1888	W. J. Hackett, Cape Vincent, N. Y.

# F

Tug	Fabian .....	71	70x19	1894	Great Lakes Towing Co., Cleveland, O.
Str	Fairbairn, Sir Wm..	4219	424x45	1896	Pittsburg Steamship Co., Cleveland, O.
Str	Falcon .....	865	174x31	1881	Grand Island Steamship Co., Grand Island, Mich.
Str	Falcon .....	82	90x16	1887	Geo. Maul, Port Clinton, O.
Tug	Fanchon .....	13	45x12	1879	H. A. Blume, Duluth, Minn.
Str	Fanny H. ....	16	54x12	1890	U. S. Engineer Dept., Washington, D. C.
Str	Farragut .....	5	26x 8	1890	George Garside, Chicago, Ill.
Tug	Farragut .....	14	44x12	1868	Beaubien Ice & Coal Co., Detroit, Mich.
Str	Farwell, Jesse H. ..	1200	212x35	1881	W. H. Follette, Tonawanda, N. Y.
Str	Fashion .....	48	64x16	1888	Dormer Boutin Fish Co., Ashland, Wis.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Kel. Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Stp	Fashion .....	149	94	94x24	1881	Oshkosh Steamship Co., Leander Choate, Pres., Oshkosh, Wis.
Sch	Fassett, Theo. S. ....	548	521	186x31	1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Sew	Faugh-a-Ballagh .....	139	139	64x26	1891	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Tug	Favorite .....	1223	691	180x43	1907	Great Lakes Towing Co., Cleveland, O.
Sch	Favorite .....	451	434	166x31	1863	Flanner & Reeves, Detroit, Mich.
Tug	Favorite .....	409	351	139x28	1864	Great Lakes Towing Co., Cleveland, O.
Tug	Favorite .....	9	6	47x11	1894	Franc Parsons, Vermillion, O.
Sch	Fawn .....	24	16	60x10	1896	Edmund Lehmann, Appleton, Wis.
Sch	Fearless .....	165	156	120x24	1867	H. Williamson, Racine, Wis.
Sch	Fearless .....	28	17	59x14	1893	E. A. Sonneman, Sheboygan, Wis.
Sch	Fearless .....	101	77	99x17	1878	A. R. Goode, Chicago, Ill.
Sch	Felicitous .....	216	205	117x26	1873	J. M. Clow, Marinette, Wis.
Sch	Ferguson, David .....	223	212	130x26	1853	A. Trudo, Box 336, Bay City, Mich.
Tug	Ferris, Col. ....	54	27	69x17	1884	William D. Allen, Oswego, N. Y.
Tug	Ferry, Maj. N. H. ....	171	162	117x24	1882	N. Campbell, Muskegon, Mich.
Tug	Ferry, T. W. ....	27	17	52x13	1867	Halvor Williamson, Racine, Wis.
Tug	Fisher, O. M. ....	29	17	57x13	1875	Jos. B. Benning, St. Joseph, Mich.
Sch	Filer, D. L. ....	357	339	156x30	1882	J. M. Clow, Marinette, Wis.
Sch	Filer, Grace M. ....	237	225	128x27	1874	Hines Lumber Co., Chicago, Ill.
Sch	Fillmore, Clarence J. ....	410	389	161x31	1874	H. Michelson, Chicago, Ill.
F. B.	Fire Queen .....	47	9	63x16	1889	W. E. Pierce, W. Bay City, Mich.
Tug	Fischer .....	9	7	37x 9	1893	Chicago Fire Dept., Chicago, Ill.
Tug	Fischer, S. M. ....	628	427	139x31	1890	John T. Cunningham, Buffalo, N. Y.
Tug	Fisher, Geo. E. ....	25	18	64x16	1896	L. M. C. F. Trans. Co., Milwaukee, Wis.
Tug	Fishman .....	18	9	54x12	1883	J. P. Heymann, Huron, O.
Sch	Fisk, Nelson W. ....	108	101	99x22	1880	Adolph A. Bruder, Rogers City, Mich.
Sch	Fitch, Wm. F. ....	3629	2632	346x48	1903	Nelson W. Fisk, Fisk, Vt.
Sch	Fitch, Wm. F. ....	3629	2632	346x48	1902	Franklin Trans. Co., J. S. Ashley, Sec., Cleveland Ohio.

<b>Str</b>	<b>Fitzgerald, R. P.</b>	<b>1681</b>	<b>1175</b>	<b>256x38</b>	<b>1887</b>	<b>Est. of W. M. Egan, Arthur C. Helm, Mngr., Chicago.</b>
<b>Str</b>	<b>Fitzgerald, W. E.</b>	<b>4940</b>	<b>3701</b>	<b>420x52</b>	<b>1906</b>	<b>S. O. Neff, Milwaukee, Wis.</b>
<b>Str</b>	<b>Flagg, G. A.</b>	<b>3062</b>	<b>2128</b>	<b>332x42</b>	<b>1901</b>	<b>Calumet Trans. Co., J. S. Ashley, Sec., Cleveland, O.</b>
<b>Str</b>	<b>Fleetwood</b>	<b>1687</b>	<b>1175</b>	<b>265x40</b>	<b>1887</b>	<b>Tonawanda I. &amp; S. Co., N. Tonawanda, N. Y.</b>
<b>Str</b>	<b>Fletcher, F. W.</b>	<b>495</b>	<b>314</b>	<b>161x32</b>	<b>1891</b>	<b>J. O. Nessen &amp; Co., Manistee, Mich.</b>
<b>Str</b>	<b>Flint, Oscar T.</b>	<b>823</b>	<b>700</b>	<b>218x37</b>	<b>1889</b>	<b>Comstock &amp; Sinclair, Duluth, Minn.</b>
<b>Sch</b>	<b>Flint, Sam</b>	<b>499</b>	<b>474</b>	<b>167x34</b>	<b>1888</b>	<b>Frank R. Gilchrist, Cleveland, O.</b>
<b>Str</b>	<b>Flora</b>	<b>561</b>	<b>455</b>	<b>174x27</b>	<b>1875</b>	<b>John Grix, Detroit, Mich.</b>
<b>Gas</b>	<b>Flora V.</b>	<b>6</b>	<b>6</b>	<b>29x10</b>	<b>1886</b>	<b>B. R. Randall, South Haven, Mich.</b>
<b>Str</b>	<b>Florence</b>	<b>26</b>	<b>13</b>	<b>71x14</b>	<b>1869</b>	<b>George Hefferan, Grand Rapids, Mich.</b>
<b>Str</b>	<b>Florence</b>	<b>7</b>	<b>5</b>	<b>36x7</b>	<b>1903</b>	<b>Michael Kriegbaum, Buffalo, N. Y.</b>
<b>Tug</b>	<b>Floss, Geo. A.</b>	<b>24</b>	<b>16</b>	<b>58x15</b>	<b>1903</b>	<b>William E. Barry, Cleveland, Ohio.</b>
<b>Gas</b>	<b>Flotilla</b>	<b>12</b>	<b>11</b>	<b>41x12</b>	<b>1891</b>	<b>R. Hanson, Washington Isl., Wis.</b>
<b>Str</b>	<b>Flower, Roswell P.</b>	<b>1593</b>	<b>1165</b>	<b>264x38</b>	<b>1887</b>	<b>Milwaukee S. S. Co., David Vance, Mngr., Milwaukee, Wis.</b>
<b>Slp</b>	<b>Flying Cloud</b>	<b>10</b>	<b>10</b>	<b>40x12</b>	<b>1892</b>	<b>A. Nunn, Thousand Island Park, N. Y.</b>
<b>Scy</b>	<b>Foam</b>	<b>10</b>	<b>10</b>	<b>38x10</b>	<b>1904</b>	<b>W. E. Barnum, Chicago, Ill.</b>
<b>Sch</b>	<b>Foam</b>	<b>42</b>	<b>40</b>	<b>81x18</b>	<b>1883</b>	<b>S. V. Philbrook, Marinette, Wis.</b>
<b>Tug</b>	<b>Foley, James</b>	<b>668</b>	<b>449</b>	<b>187x33</b>	<b>1893</b>	<b>Fire Department, Milwaukee, Wis.</b>
<b>Str</b>	<b>Folsom, A.</b>	<b>609</b>	<b>363</b>	<b>172x32</b>	<b>1889</b>	<b>Name changed to Trude R. Wiehe.</b>
<b>Str</b>	<b>Ford, J. C.</b>	<b>299</b>	<b>284</b>	<b>143x29</b>	<b>1879</b>	<b>Nipigon Transit Co., Grosse Point, Mich.</b>
<b>Sch</b>	<b>Ford River</b>	<b>3667</b>	<b>2297</b>	<b>344x46</b>	<b>1901</b>	<b>Louis F. Dreiske, Chicago, Ill.</b>
<b>Str</b>	<b>Fordney, Jos. W.</b>	<b>21</b>	<b>20</b>	<b>51x15</b>	<b>1886</b>	<b>Merinda Steamship Co., Frank R. Gilchrist, Sec'y, Cleveland, O.</b>
<b>Sch</b>	<b>Forester, L. B.</b>	<b>150</b>	<b>83</b>	<b>103x23</b>	<b>1903</b>	<b>O. O. Hanke, Saugatuck, Mich.</b>
<b>Str</b>	<b>Fortuna</b>	<b>199</b>	<b>108</b>	<b>104x29</b>	<b>1875</b>	<b>Henry B. Slaughter, Chicago, Ill.</b>
<b>Str</b>	<b>Fortune</b>	<b>36</b>	<b>19</b>	<b>67x18</b>	<b>1884</b>	<b>William H. Cowell, Sault St. Marie, Mich.</b>
<b>Sch</b>	<b>Forward</b>	<b>93</b>	<b>85</b>	<b>79x24</b>	<b>1889</b>	<b>Joseph Challe, Menominee, Mich.</b>
<b>Str</b>	<b>Foster, A.</b>	<b>355</b>	<b>277</b>	<b>134x26</b>	<b>1872</b>	<b>Fremont Pressed Brick Co., Fremont, O.</b>
<b>Str</b>	<b>Foster, I. N.</b>	<b>1720</b>	<b>1475</b>	<b>262x39</b>	<b>1889</b>	<b>Lars H. Jensen, Sturgeon Bay, Wis.</b>
<b>Sch</b>	<b>Foster, Parks</b>	<b>22</b>	<b>19</b>	<b>46x15</b>	<b>1897</b>	<b>J. G. Keith &amp; Co., Chicago.</b>
<b>Sch</b>	<b>Fournica, Sofie</b>	<b>9</b>	<b>9</b>	<b>38x11</b>	<b>1896</b>	<b>Chas. Bird, Cheboygan, Mich.</b>
<b>Gas</b>	<b>Fox</b>	<b>9</b>	<b>9</b>	<b>38x11</b>	<b>1896</b>	<b>Fred Dobberthien, Michigan City, Ind.</b>

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Francis, C. H. ....	116	93	89x17	1895	Edgewater Lighterage Co., Buffalo, N. Y.
Sch	Francomb, J. A. ..	658	625	180x36	1889	Holland & Graves, Buffalo, N. Y.
Tug	Frank W. ....	93	46	74x18	1891	Great Lakes Towing Co., Cleveland, O.
Tug	Frank Edward ....	39	29	58x14	1890	Gustave Mollhagen, et al., St. Joseph, Mich.
Tug	Frank & Jim ....	26	18	58x 6	1903	Nelson C. Tibbits, Dunkirk, N. Y.
Str	Frank S., Jr. ....	23	16	59x13	1891	Frank M. Stabel, Buffalo, N. Y.
Tug	Fred B. ....	16	8	47x14	1889	F. W. Gilchrist, Alpena, Mich.
Str	Fred L. ....	19	12	48x14	1877	R. L. Dewey, Port Huron, Mich.
Str	Fremont ....	90	90	112x20	1900	O. C. Hartman, Duluth, Minn.
Sch	French, H. C. ....	142	111	95x18	1888	M. Kelly, Buffalo, N. Y.
Str	French, G. Watson...	3883	3064	356x50	1903	C. W. Elphicke, Chicago, Ill.
Str	Friant, Thomas ....	81	46	96x18	1884	Chas. A. Ripley, Sault Ste. Marie, Mich.
Str	Fritz, H. C. ....	6490	5016	549x56	1905	Pittsburg Steamship Co., Cleveland, O.
Sch	Fritz, John ....	4693	4447	430x50	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Frolic ....	10	9	40x11	1884	Peter McKeever, Chicago, Ill.
Str	Frontenac ....	2003	1676	270x40	1889	Grand Island Steamship Co., Grand Island, Mich.
Str	Frontenac ....	626	479	169x26	1868	H. C. Burrell, Lorain, O.
Tug	Frost, E. E. ....	10	7	37x11	1885	John Owens, Buffalo, N. Y.
Str	Fryer, Robert L. ....	1810	1451	281x41	1888	Mitchell & Co., Cleveland, O.
Sch	Fryer, Robert L. ..	527	501	175x33	1880	J. A. Calbick, Chicago, Ill.
Str	Fuller ....	13	9	41x12	1889	Wm. T. Brown, St. Clair, Mich.
Str	Fullerton, George... 25	18	18	49x 9	1889	C. M. Farrar, Buffalo, N. Y.
Str	Fullerton, J. C. ....	31	18	58x10	1888	Miss Jennie Tracey, Buffalo, N. Y.
Str	Fulton, Robert ....	4219	3181	424x45	1896	Pittsburg Steamship Co., Cleveland, O.
Sch	Fulton ....	256	243	137x26	1854	Ada Baldwin, Detroit, Mich.
<b>G</b>						
Str	Gadabout ....	9	7	47x 9	1892	Geo. A. Kennedy, Syracuse, N. Y.
Str	Gagnon, M. A. ....	18	18	48x12	1874	John Leaf, Marinette, Wis.
Str	Galatea ....	157	106	128x17	1906	E. L. Ford, Detroit, Mich.

Gyt Galatea	.....	18	12	43x 9	1903	E. G. Jackson, Winneconne, Wis.
Tug Ganges	.....	22	18	55x12	1881	S. A. Ross, Erie, Pa.
Str †Garey, E. H.	.....	6331	4988	559x56	1905	Pittsburg Steamship Co., Cleveland, O.
Sch Garibaldi	.....	88	83	78x24	1869	W. Baker, New Baltimore, Mich.
Str Garland	.....	248	171	107x29	1880	D. B. I. & W. Ferry Co., Detroit, Mich.
Str †Garretson, Gen.	.....	6765	5371	540x54	1906	J. C. Gilchrist, Cleveland, O.
Str †Gates, John W.	.....	5946	4440	478x52	1900	Pittsburg Steamship Co., Cleveland, O.
Str Gault, John C	See Felix Carbray.					
Sch Gawn, Thomas	....	549	522	170x31	1872	M. Sicken, Marine City, Mich.
Str †Gayley, James	.....	4777	8359	416x50	1902	Mitchell & Co., Cleveland, O.
Sty Gazelle	.....	36	18	63x13	1878	Robert H. Luckes, Sault Ste. Marie, Mich.
					Rebuilt 1905.	
Stp Gazelle	.....	87	87	124x23	1901	St. Paul, Minn.
Sch Gebhardt, A.	.....	354	396	145x29	1869	Hugh R. Havey, Detroit, Mich.
Tug Gee, S. W.	.....	62	31	74x17	1888	Great Lakes Towing Co., Cleveland, O.
Tug Geiken, Frank P.	....	35	22	69x15	1891	G. C. Geiken, Charlevoix, Mich.
Nyt Geisha	.....	23	16	57x11	1898	Charles H. Baker, Chicago, Ill.
Sly Gem	.....	15	15	44x13	1903	J. A. Montague, Traverse City, Mich.
Tug Gem	.....	14	10	38x10	1882	Alton B. Tyler, Dunkirk, N. Y.
Sty †Genesee	.....	212	171	119x27	1900	Jas. S. Watson, Rochester, N. Y.
Tug General	.....	132	70	97x24	1900	Great Lakes Towing Co., Cleveland, O.
Tug Genevieve	.....	38	19	55x15	1890	Lake Erie Dredging Co., Buffalo, N. Y.
Sly Genevieve	.....	7	7	33x10	1896	Fred. Matchel, Chicago, Ill.
Sch Genoa	.....	730	694	188x34	1873	John W. Robinson, N. Tonawanda, N. Y.
Tug George E.	.....	16	12	47x11	1892	George E. Patterson, Indian River, Mich.
					Out of Com.	
Sch Georger, F. A.	.....	825	784	200x35	1874	J. C. Gilchrist, Cleveland, O.
Stp Georgia	.....	895	393	195x34	1880	Goodrich Trans. Co., Duluth, Minn.
Sch Georgia	.....	82	78	92x21	1887	Gottfried Bierke, Green Bay, Wis.
Str Georgetown	.....	1358	919	243x40	1900	Atlantic Coast S. S. Co., Niagara Falls, N. Y.
Sty Gerald, C.	.....	36	18	62x14	1893	Bense Fish Co., Port Clinton, O.
Sch Gerlach, Eliza	....	271	257	127x26	1867	American Ship Building Co., Cleveland, O.
Str †German	.....	2948	1875	296x40	1890	Pittsburg Steamship Co., Cleveland, O.
Sch German	.....	77	73	80x20	1868	Thos. Isabell, Sturgeon Bay, Wis.
Sty Gertrude	.....	12	10	50x 9	1891	Jas. McRae, Dollar Bay, Mich.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Gettysburg	837	464	208x35	1887	Alger Smith & Co., Detroit, Mich.
Tug	Geyser	29	14	57x18	1889	R. Armstrong, Bay City, Mich.
Tug	Giant	10	5	30x13	1883	Davidson Steamship Co., Duluth, Minn.
Str	Gifford	63	43	69x19	1901	M. H. Quick, Manistique, Mich.
Str	†Gilbert, W. H.	2820	2200	328x42	1892	Pittsburg Steamship Co., Cleveland, O.
Str	†Gilchrist	3871	2997	356x50	1901	J. C. Gilchrist, Cleveland, O.
Str	†Gilchrist, Frank W.	4551	3451	416x50	1903	J. C. Gilchrist, Cleveland, O.
Str	†Gilchrist, Jos. C.	4725	3393	416x50	1903	J. C. Gilchrist, Cleveland, O.
Tug	Gill, Alice M.	264	202	127x28	1887	Gus Gunderson, Sheboygan, Wis.
Tug	Gillen, Edward	57	28	68x18	1891	Lake Superior Dred. Co., Duluth, Minn.
Scb	Gillen, M. J.	613	613	189x37	1903	Edward Gillen, D. D. & C. Co., Racine, Wis.
Tug	Gillett, F. W.	28	14	54x15	1869	Semon Jeffery, Duluth, Minn.
Sty	Gitana	16	16	46x13	1903	Chas. W. Hirt, Erie, Pa.
Tug	Gladiator	220	153	115x22	1871	Duluth-Superior Dredging Co., Duluth, Minn.
Dge	Gladiator	454	418	98x38	1900	M. Sullivan, Buffalo, N. Y.
Str	Gladstone	2453	1913	283x40	1888	M. A. Bradley, Cleveland, O.
Scy	Glad Tidings	9	9	33x11	1897	D. C. Gregier, Chicago, Ill.
Scb	Glad Tidings	33	32	66x16	1886	W. H. Rees, Clayton, N. Y.
Str	Gladys	6	5	46x11	1903	Homer Adams, Saugatuck, Mich.
Slp	Gladys	11	11	36x13	1893	Mary Ida Kilby, Sault Ste. Marie, Mich.
Str	Glenn	277	199	108x21	1889	Dunkley-Williams Co., So. Haven, Mich.
Sly	Gloria	6	6	30x 8	1899	Harry A. Sellery, Chicago, Ill.
Sty	Gloriana	9	6	39x11	1901	Emil Endress, Sault Ste. Marie, Mich.
Tug	Gnewuch, Charlie J.	32	16	55x14	1880	N. Burkell, Marine City, Mich.
Sch	Godfrey, Jeremiah	653	620	177x34	1881	J. B. Lozen, New Baltimore, Mich.
Tug	Godfrey, L. B.	32	16	63x14	1881	Conrad Niederman, Milwaukee, Wis.
Str	Gogebic	1860	1312	227x40	1887	Henry McMoran, Port Huron, Mich.
Tug	Golden	44	22	63x17	1892	Conrad Niederman, Milwaukee, Wis.
Tug	Golden Age	1846	1763	278x38	1882	W. C. Richardson, Mngr., Cleveland, O.
Scb	Golden Age	119	102	94x17	1887	Mary J. Christian, Rochester, N. Y.
Scb	Golden Rule	363	345	139x31	1867	Pittsburg Coal Co., Cleveland, O.

Sch	Gold Leaf .....	13	10	38x14	1903	Jos. Nevien, W. Bay City, Mich.
Bge	Gold Standard .....	222	222	88x25	1895	H. T. Dunbar, Buffalo, N. Y.
Sch	Goodenough .....	16	15	45x16	1893	R. J. Cram, Detroit, Mich.
Tug	Goodill, Robert E. .	17	8	48x13	1890	Penna. Fishing Co., Erie, Pa.
Bge	Goodwill .....	65	44	65x17	1895	Geo. Moon, Jr., Buffalo, N. Y.
Str	Goodyear, Frank H.	4815	3438	416x50	1902	Mitchell & Co., Cleveland, O.
Tug	Gorden, Joseph .....	22	15	74x14	1881	Louis Jepsen, Charlevoix, Mich.
Sch	Gordon, Cynthia ..	44	42	67x16	1864	Niels Jepsen, Detroit Harbor, Wis.
Str	Gordon, R. J. ....	280	202	103x23	1881	S. M. Rose, Manitowoc, Wis.
Tug	Gorman, Pete .....	60	35	69x20	1892	Charles E. Williams, Buffalo, N. Y.
Sch	Goshawk .....	501	461	180x32	1866	O. W. Blodgett, W. Bay City, Mich.
Str	Gould, E. F. ....	261	248	187x28	1875	John McKerchey, Detroit, Mich.
Str	†Gould, Geo. J. ....	2237	1790	265x40	1893	Lake Erie Trans. Co., Toledo, O.
Str	Gould, Jay .....	840	823	213x33	1869	Thos. L. Handy, Bay City, Mich.
Str	†Goulder, H. D. ....	6617	5219	525x55	1906	H. B. Hawgood, Cleveland, O.
Tug	Goulder, H. D. ....	156	78	78x23	1898	Great Lakes Towing Co., Cleveland, O.
Str	Gov. Smith .....	2044	1547	240x42	1889	Rutland Trans. Co., Ogdensburg, N. Y.
Sch	Gowanda .....	130	108	95x19	1880	Ranson Lewis, Buffalo, N. Y.
Str	Gowen, Albert Y. .	359	269	124x26	1888	Kelley Isl. Lime & T. Co., Cleveland, O.
Str	Grace .....	41	28	63x18	1881	Edward D. Stair, Detroit, Mich.
Tug	Grace .....	13	7	48x12	1892	Willoughby Meisner, Dunkirk, N. Y.
Bge	Grace .....	51	51	70x16	1898	John Hendrick, Oswego, N. Y.
Gas	Grace J. ....	24	17	52x14	1903	Sever Johnson, Chicago, Ill.
Gas	Grace W. ....	11	9	38x9	1906	George Waters, Jr., Frankfort, Mich.
Gyt	Grafarson, See Oshkosh.					
Sch	Graham, Lucy .....	61	58	74x19	1887	Mary Goodlet, Washington Harbor, Wis.
Str	Graham, May .....	91	91	95x16	1879	E. A. Graham, St. Joseph, Mich.
Str	†Grammer, G. J. ....	4471	3703	434x48	1902	Seither Transit Co., 11 Joseph st., Cleveland, O.
Sch	Grampian .....	844	802	218x38	1894	James Davidson, W. Bay City, Mich.
Sch	Granada .....	1729	1643	247x40	1895	James Davidson, W. Bay City, Mich.
Str	Grand .....	219	149	134x28	1905	Henry T. Heald, Grand Rapids, Mich.
Str	†Grand Haven .....	2320	1678	306x54	1903	Grand Trunk Milwaukee Car Ferry Co., Milwaukee, Wis.
Str	†Grandon .....	47	33	59x16	1893	Wm. Freyensee, Sandusky, O.
Str	Grand View .....	17	13	49x10	1899	John A. Cook, Clayton, N. Y.

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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Grandy, William ...	464	441	165x32	1867	Cleveland Dredge & Dock Co., Cleveland, O.
Bge	Grant, Levi ....	204	194	127x26	1872	Wilber Anderson, Marinette, Wis.
F. B.†	Grattan, W. S. ....	208	141	106x24	1900	Buffalo Fire Dept., Buffalo, N. Y.
Str †	Gratwick, W. H. ...	4776	3352	416x50	1902	John Mitchell, Cleveland, O.
Str †	Gratwick, Wm. H. 2818		2202	328x42	1893	Chicago & Duluth Transp. Co., Chicago, Ill.
Tug	Grayling .....	17	8	54x13	1876	Frederick Kelcey, Detroit, Mich.
Sch	Grayling .....	14	13	39x11	1875	Silas Brown, Bois Blanc Island, Mich.
Tug	Grayling .....	15	7	44x12	1889	Carlin, Stickney & Cram, Detroit, Mich.
Tug	Green, Andrew H. ..	79	54	72x20	1896	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Green, C. H. ....	694	349	197x33	1881	John W. Robinson, N. Tonawanda, N. Y.
Tug	Green, G. R. ....	18	12	48x11	1874	John O'Neill, Charlevoix, Mich.
Sch	Green, Gilbert R. ...	137	109	95x17	1887	Thos. McIntyre, Oswego, N. Y.
Sch	Green, J. L. ....	89	85	90x27	1875	W. A. Monkman, Alpena, Mich.
Tug	Green, O. B. ....	56	28	72x16	1881	Great Lakes Towing Co., Cleveland, O.
Str	Greene, M. T. ....	523	421	155x30	1887	Erie & Mich. Ry Nav. Co., Chicago, Ill.
Sch	Gregory, Mary A. ..	87	83	84x23	1875	Eliza J. Ludwick, Benton Harbor, Mich.
Str †	Greyhound .....	1392	748	300x38	1902	White Star Line, Detroit, Mich.
Bge	Greyhound .....	621	313	241x33	1867	Joseph H. Berry, Detroit, Mich.
Bge	Grey Oak .....	290	277	133x31	1885	Western Transit Co., Buffalo, N. Y.
Str †	Griffin .....	1879	1526	266x38	1891	Pittsburg Steamship Co., Cleveland, O.
Str	Groh, Mary .....	139	69	112x22	1873	H. McMoran, Port Huron, Mich.
Sch	Grover, Anna P. ...	246	234	137x26	1868	Chas. W. Kotcher, Detroit, Mich.
Tug	Grover, Cris. ....	56	28	68x18	1893	Great Lakes Towing Co., Cleveland, O.
Bge	Grover, M. B. ...	2147	1986	281x40	1898	M. A. Bradley, Cleveland, O. Rebuilt 1906.
Str	Gryphon .....	28	28	82x 9	1890	C. D. Miller, Poughkeepsie, N. Y.
Sch	Guido .....	135	129	114x24	1856	John Campbell, Port Huron, Mich.
Sch	Gull .....	24	16	54x13	1900	Ranney Fish Co., Cleveland, O.
Str	Gunderson Bros. ...	46	23	75x13	1892	John Walsma et al., Grand Haven, Mich.
Str	Gust, Henry .....	37	18	60x15	1893	John W. Cornell, Detroit Harbor, Wis.
Sch	Guy, Lulu .....	14	13	41x13	1895	P. R. Eaglesfield, Grand Rapids, Mich.

Sty Gypsy .....	9	7	31x7	1900	Julius Wurtz, Buffalo, N. Y.
Yly Gypsy .....	23	18	41x15	1898	David Lawson, Oshkosh, Wis.
Gyt Gypsy Joe .....	17	14	70x10	1905	Russell A. Alger, Jr., Detroit, Mich.
<b>H</b>					
Str †Hackley. See Str. Carolina.					
Sch Hackley, C. H. ....	207	197	124x27	1868	Win Schlosser, Milwaukee, Wis.
Tug Hackley, J. H. ....	45	22	62x16	1874	Dunham Towing & Wrecking Co., Chicago, Ill.
Tug Hagermann, J. J. ..	42	21	67x16	1872	Sophia Meyer, Milwaukee, Wis.
Scb Haines, C. L. ....	125	99	94x17	1890	C. R. Castle, Buffalo, N. Y.
Bge Halcyon .....	62	62	61x18	1898	F. Gotthold, Alexandria Bay, N. Y.
Ltr Hale, O. J. ....	326	309	138x26	1874	Howard Trans. Co., Chicago, Ill.
Tug Hall, D. P. ....	54	32	67x16	1881	Dunham Towing & Wrecking Co., Chicago, Ill.
Str Hall, Fred B. ....	14	8	45x11	1883	John P. Thompson, Duluth, Minn.
Str Hall, Henry B. ....	1152	962	212x35	1881	Geo. Hall Coal Co., Ogdensburg, N. Y. Formerly Iron Duke.
Sch Hall, James H. ....	100	95	91x22	1885	S. Hall, Manitowoc, Wis.
Str Hall, Stephen C. ....	447	342	161x30	1880	Frank R. Gilchrist, Cleveland, O.
Sch Halsted .....	496	471	171x33	1873	J. A. Calbick & Co., Sherman st., Chicago, Ill.
Cbt Hamburg .....	113	113	95x17	1885	Frank Jennings, New York City.
Str Hammel, Julia C. ..	28	19	55x14	1893	Herman Lucbke, Two Rivers, Wis.
Sch Hammond, L. S. ....	329	312	137x26	1869	M. E. Sicklesteel, 1326 15th st., Detroit, Mich.
Str Hand, C. C. ....	2122	1534	265x41	1890	J. C. Gilchrist, Cleveland.
Tug Hand, Geo. R. ....	34	17	60x15	1881	Frank J. Haynes, Port Huron, Mich.
Sch Handy .....	12	11	40x14	1901	Wm. Thormahlen, West Bay City, Mich.
Dge Hand, Andy ....	471	422	95x44	1905	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Sch Handy Boy .....	26	25	61x17	1874	Joseph Bullion, Duluth, Minn.
Str †Hanna, D. R. ....	7023	5491	532x56	1906	Pioneer Steamship Co., Cleveland, O.
Str †Hanna, L. C. ....	6356	4922	504x54	1905	Mahoning S. S. Co., J. S. Ashley, Mgr., Cleveland, O.
Str †Hanna, M. A. ....	4661	3116	410x50	1899	Mitchell & Co., Cleveland, O.
Sch Hanscom, Belle. ....	294	279	139x27	1874	Reid Wrecking Co., Port Huron, Mich.
Sey Happy Home .....	40	40	42x14	1896	Felix Benito, Rober, Mich. Rebuilt 1905.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Scy	Harbinger .....	45	43	67x19	1884	Julius R. White, Rochester, N. Y.
Tug	Harding, Abner C. ....	98	34	81x20	1907	Great Lakes Towing Co., Cleveland, O.
Str	Harlem .....	2299	1858	288x41	1888	H. J. Pauly, Duluth, Minn.
Tug	Harlem .....	26	13	43x13	1890	Geo. M. Swan, Buffalo, N. Y.
Str	Harley .....	23	13	39x12	1878	N. & B. Mills, Marysville, Mich.
Str	Harlow .....	575	482	193x35	1891	W. J. Harlow, Toledo, O. Rebuilt.
Sch	Harold .....	718	682	190x34	1891	J. A. Calbrick, Chicago, Ill.
Tug	Harold J. ....	33	21	64x16	1901	Frank P. Eichbacher, Erie, Pa.
Str	Harper, John .....	1951	1632	298x40	1890	J. C. Gilchrist, Cleveland, O.
Tug	Harris, Joe .....	66	33	72x17	1873	Great Lakes Towing Co., Cleveland, O.
Str	Harriet L. ....	19	13	58x12	1906	Frank C. Livermore, Pensaukee, Wis.
Str	Harriet M. ....	11	8	51x11	1897	William Muntinga, Sheboygan, Wis.
Tug	Harrison, Ben .....	18	9	44x13	1889	Name changed to Whitehaven.
Sch	Harrison, Benjamin .....	538	511	175x32	1889	Atlantic Coast S. S. Co., Niagara Falls, N. Y.
Sts	Harrison, Carter H. ....	30	20	71x16	1901	James Kolson, Chicago, Ill.
Str	Harrow, W. G. ....	84	42	85x19	1893	A. Booth & Co., Chicago, Ill.
Sly	Har-Ru-Al .....	17	17	37x 8	1906	William H. Rees, Clayton, N. Y.
Str	Hart, Eugene C. ...	522	470	152x25	1890	Green Bay Trans. Co., W. C. Shilling, Sec., Green Bay, Wis.
Str	Hart, Fannie C. ....	476	394	142x30	1888	Green Bay Trans. Co., W. C. Shilling, Sec., Green Bay, Wis.
Str	Hart, Frank W. ....	4307	3374	380x50	1902	J. C. Gilchrist, Cleveland, O.
Sch	Hartnell, Geo. E. ....	3265	3154	352x44	1896	Northwestern Trans. Co., Detroit, Mich.
Str	Harvard, .....	5054	4061	461x50	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	Harvard .....	....	....	68x17	1907	Great Lakes Towing Co., Cleveland, O.
Gas	Harvey, J. M. ....	22	17	55x13	1896	Otto F. Oswald, Milwaukee, Wis.
Str	Haskell, Wm. A. ....	1590	1440	242x37	1884	Rutland Trans. Co., Ogdensburg, N. Y.
Sch	Hattie .....	400	380	165x30	1873	Saginaw Bay Co., 55 Stone's Levee, Cleveland.
Scy	Hattie .....	20	19	46x14	1890	Morris Brouty, Detroit, Mich.
Sly	Hattie B. ....	7	7	35x10	1889	C. L. Bliss, Chicago, Ill.

Str	Hausler, M. G.	73	56	72x18	1893	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	Havana	1041	874	205x34	1874	George B. Taylor, Erie, Pa.
Str	Hawgood, A. H.	6486	4939	569x56	1907	Neptune S. S. Co., A. H. Hawgood, Mgr., Cleveland, O.
Str	Hawgood, H'y A.	6839	5389	532x56	1906	Minerva Steamship Co., Cleveland, O.
Str	Hawgood, H. B.	4655	3886	414x50	1903	The Hawgood Transit Co., Cleveland, O.
Str	Hawgood, Wm. A.	6530	4910	552x56	1907	W. A. & A. H. Hawgood, Mgrs., Cleveland, O.
Scy	Hawthorne	29	28	63x14	1893	John McConnell, Chicago, Ill.
Tug	Hay, James	35	22	56x15	1879	Georgiana Bentley, Chicago, Ill.
Scw	Hayes, Dan	145	138	112x24	1868	Sturgeon Bay Stone Co., Sawyer, Wis.
Stp	Hayes, R. B.	164	82	134x21	1876	G. A. Boeckling, Sandusky, O.
Tug	Haynes, F. J.	27	18	50x14	1882	Beaubien Ice & Coal Co., Detroit, Mich.
Str	Hayward, A. D.	298	220	137x28	1887	Gilbert Lacroix, Mt. Clemens, Mich.
Tug	Hazel	11	7	39x 9	1893	I. H. Maxim, Ashland, Wis.
Str	Hazel	66	45	86x17	1896	John Deist, Sandusky, O.
Bge	H. B.	...	42	73x18	1901	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Stp	Heath, A. R.	48	75	100x17	1876	Hiram Cooley, Chicago, Ill.
Scb	Heath, E. H.	99	75	100x17	1876	Hiram Cooley, Chicago, Ill.
Str	Hebard, Chas. S.	6291	4854	504x54	1906	Wilson Transit Co., Cleveland, O.
Str	Hebard, Daniel L.	159	79	98x22	1875	Chas. S. Hebard, Pequaming, Mich.
Tug	Hebard, R. H.	13	6	40x11	1882	Hand & Johnson T. Line, Buffalo, N. Y.
Tug	Hebard, Robert H.	65	32	68x18	1889	Great Lakes Towing Co., Cleveland, O.
Str	Hecker, Frank J.	4978	3770	462x50	1905	Gilchrist Transportation Co., Cleveland, O.
Str	Hecla	1110	909	224x34	1882	Geo. Hall Coal Co., Ogdensburg, N. Y.
Str	Heffelfinger, F. T.	4897	3630	430x50	1901	Peavy Steamship Co., Duluth, Minn.
Str	Heider, John	10	6	38x 8	1903	John Heider, Buffalo, N. Y.
Str	Helen	31	24	60x11	1895	J. W. McQueen, Detroit, Mich.
Str	Helen C.	622	460	186x35	1874	John Smith, Manistee, Mich.
Str	Helena	2083	1578	275x40	1888	J. C. Gilchrist, Cleveland, O.
Scy	Helene	28	28	53x17	1895	Wm. A. Stace, Rochester, N. Y.
Tug	Helene	24	12	63x13	1883	Ranney Fish Co., Cleveland, O.
Tug	Helm, D. T.	64	32	68x18	1893	Great Lakes Towing Co., Cleveland, O.
Sch	Helvetia	793	753	204x35	1873	Edw. Hines Lumber Co., Chicago, Ill.
Str	Hemlock	4796	3501	440x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.
Scb	Hengerer, Wm.	125	90	91x17	1894	Hattie E. Kill, Buffalo, N. Y.

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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Hennepin .....	990	639	208x35	1898	Lake Shore Stone Co., Milwaukee, Wis. Rebuilt 1902.
Sty	Hennes, Annie R..	47	37	59x12	1894	L. Hennes, Houghton, Mich.
Bge	Henrietta .....	113	113	126x28	1879	Chas. R. Maples, Duluth, Minn.
Str	Henry .....	30	16	60x14	1876	M. A. Callaghan, Cleveland, O.
Tug	Henry, Charles ...	22	11	45x12	1880	Cleveland Dredge & Dock Co., Cleveland, O.
Dge	Hercules .....	559	495	115x40	1904	M. Sullivan, Detroit, Mich.
Tug	Hermann, G. M. A	34	17	61x14	1891	Henry Schroeder, Two Rivers, Wis.
Gas	Heron .....	11	7	46x8	1903	F. F. Peabody, Chicago, Ill.
Sch	Herschel .....	238	226	121x27	1872	Geo. M. Kuna, Detroit, Mich.
Tug	Hershey, Peter D..	14	7	42x12	1892	Patrick Tivnan, Tonawanda, N. Y.
Str	Hiawatha .....	1398	1159	234x36	1880	J. C. Gilchrist, Cleveland, O.
Tug	Hickler, Clara ...	15	7	41x12	1882	Hickler Bros., Sault Ste. Marie, Mich.
Str	Hickler, Pauline ...	37	18	55x16	1892	M. Sullivan, Detroit, Mich.
Str	Hill, J. J. ....	286	166	130x25	1902	—, St. Paul, Minn.
Str	†Hill, James J.....	6025	4578	478x52	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	Hill, L. P. ....	22	11	58x14	1889	Patrick Chambers, Fish Creek, Wis.
Str	Hilton .....	166	141	110x26	1867	C. H. Ellis, Milwaukee, Wis.
Str	Hinckley .....	131	118	107x24	1901	A. R. Hinckley, Oswego, N. Y.
Str	Hines, L. Edward..	982	790	203x37	1893	E. Hines Lumber Co., Chicago, Ill.
Tug	Hingston, W. J.....	22	11	52x13	1894	Michael Maher, Erie, Pa.
Str	Hinton, Francis ...	397	273	152x30	1889	Marine Nav. Co., Geo. G. Oliver, Secy., Michigan City, Ind.
Sty	Hirondelle .....	35	26	74x13	1893	Edward Michael, Buffalo, N. Y.
Sch	Hoboken .....	299	284	139x26	1898	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Ltr	Hocking .....	316	300	137x26	1873	Stanley B. Smith & Co., Detroit, Mich.
Tug	Hoffnung .....	21	10	48x12	1873	Fred. Balow, Michigan City, Ind.
Tug	Hoffnung Bros. ..	56	28	61x15	1890	Hugh Mallory, Ontonogan, Mich.
Sly	Hogan, Mollie ...	23	23	56x15	1897	William J. Estes, Alexandria Bay, N. Y.
Str	†Holden, Hendr'k S.	4444	3091	408x50	1898	Michell & Co., Cleveland, O.
Gas	Holiday .....	10	9	46x11	1906	George B. Kelly, Chicago, Ill.

Str	†Holland	.....1148	871	230x33	1881	Graham & Morton Trans. Co., Chicago, Ill.
Sch	Holland, Grace	.....629	597	180x33	1880	J. R. McCarthy, 159 Ohio st., Buffalo, N. Y.
Sch	Holland, Nelson C.	564	536	187x31	1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Str	Holland, Robert	...423	339	156x30	1872	Shannon & Garey, Saginaw, Mich.
Str	Hollister, S. W.	49	31	73x29	1888	G. A. Galloway, Oshkosh, Wis.
Bge	†Holley, Alex.	.....2721	2553	361x46	1896	Pittsburg Steamship Co., Cleveland, O.
Str	†Holmes, Edwin F.	4787	3517	420x50	1904	W. A. Hawgood & Co., Cleveland, O.
Sch	Holmes, J. A.	.....167	159	112x26	1867	Erick Erickson, Racine, Wis.
Tug	Holton, E. D.	.....24	12	58x14	1874	Jessie A. Slyfield, Frankfort, Mich.
Tug	Homer	.....455	432	163x31	1866	A. J. Young, Marine City, Mich.
Tug	Hood, Thos.	.....39	19	59x15	1881	H. W. Hubbell, Saginaw, Mich.
Str	†Hoover & Mason	5841	4578	504x54	1905	G. A. Tomlinson, Duluth, Minn.
Str	Hope	.....11	5	42x11	1876	D. E. Stevens and R. Porter, Duluth, Minn.
Str	Hope, Geo. T.	.....1558	1274	263x39	1883	John B. Hall, Buffalo, N. Y., Name Changed to Patrick Culligan.
Str	Hopkins, A. L.	.....756	640	170x32	1880	Lawrence Brown, et al., Chaumont, N. Y.
Bge	Horn, Clara	.....242	231	115x26	1891	Beaubien Ice & Coal Co., Detroit, Mich.
Str	Hornet	.....40	27	94x10	1906	John F. Dodge, Detroit, Mich.
Str	†Houghton, Douglas	5332	4034	456x50	1899	Pittsburg Steamship Co., Cleveland, O.
Sch	Houghton, Geo. G.	332	315	137x26	1873	L. S. Sullivan, Toledo, O.
Str	Houghton, H.	.....210	151	126x27	1889	H. Houghton, Detroit, Mich.
Tug	Howard	.....195	97	114x22	1864	G. A. Tomlinson, Duluth, Minn.
Sch	Howard, John P.	96	92	96x21	1882	Reuben B. Bragg, Port Kent, N. Y.
Sch	Howard, Kate E.	96	91	97x21	1867	Gust. Lundgren, Marinette, Wis.
Str	†Howe, Geo. C.	.....1550	955	241x41	1903	Gt. Lakes & St. Lawrence Trans. Co., D. T. Helm, Duluth, Minn.
Sch	Howland Thos. H.	298	283	138x26	1872	H. McMorran, Port Huron, Mich.
Ltr	Howlett, Robt.	.....158	127	116x25	1870	Merchants Lighterage Co., Chicago, Ill.
Str	†Hoyt, James H.	.....3934	2792	363x50	1902	Provident Steamship Co., Duluth, Minn.
Bge	Hoyt, R. H.	.....62	62	63x14	1897	Henry Curtis, Buffalo, N. Y.
Str	Hubbard, Charles	4846	4287	458x52	1907	U. S. Transportation Co., Cleveland, O.
Sch	Hubbard, Newell	..55	52	75x20	1867	John Denstead, Detroit, Mich.
Str	Hudson	.....20	10	43x13	1894	Mrs. Ann E. Staley, Buffalo, N. Y.
Sy	Hull, Charles B.	..14	7	35x11	1876	Michael J. Ryan, Duluth, Minn.
Str	Hum	.....32	25	76x15	1876	Geo. Jepson, East Jordan, Mich.

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Sty	Huntress	114	79	109x18	1880	Wm. H. Follette, Tonawanda, N. Y.
Gyt	Huntress	76	71	78x5	1906	R. V. Pierce, Buffalo, N. Y.
Str	Hurd, Joseph L.	557	389	171x29	1869	Leatham & Smith, Sturgeon Bay, Wis.
Str	Hurlbut, Chauncey	1009	829	184x32	1874	Teagan Trans. Co., Detroit, Mich.
Bge	Huron	210	200	113x28	1893	Cleveland Dredge & Dock Co., Cleveland, O.
Sp	Huron	538	402	201x32	1885	Star Cole Co., Detroit, Mich. See Darius Cole.
Str	Huron	1945	1309	238x42	1898	Mutual Transit Co., Buffalo, N. Y.
Str	Huron City	368	277	167x29	1867	Mud Lake Lumber Co., Raber, Mich.
Gyt	Hussar II	44	44	54x17	1900	E. T. Affleck, Toledo, O.
Sch	Hustler	13	11	44x11	1893	Adolph Roeser, Sister Bay, Wis.
Sch	Hutchins'n, Emma C	736	699	195x34	1873	William Strong, Tonawanda, N. Y.
F. B.	Hutchinson, John M	90	45	.....	1893	City of Buffalo, N. Y.
Str	Hutchinson, J. T.	3734	2780	346x48	1901	Hutchinson & Co., Cleveland, O.
Sch	Hutt, Hattie	230	186	127x26	1873	M. Mathisen, Milwaukee, Wis.
Bge	H. B. & B. No. 1.	184	184	.....	1891	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 2.	183	183	.....	1891	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 3.	193	193	.....	1891	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 4.	313	313	.....	1893	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 5.	177	177	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 6.	178	178	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 7.	215	215	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 8.	263	263	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 9.	186	186	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 10.	186	186	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 11.	186	186	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 12.	186	186	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 13.	354	354	.....	1899	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 14.	354	354	.....	1899	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 15.	330	330	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.
Bge	H. B. & B. No. 17.	330	330	.....	1898	Hughes Bros. & Bangs, Buffalo, N. Y.

Sly	Ibis	.....	24	1303	Chas. L. Sherrill, Buffalo, N. Y.
Bge	Ice King	.....	209	1888	R. Houghton, Detroit, Mich.
Bge	Ice Queen	.....	209	1888	R. Houghton, Detroit, Mich.
Sch	Ice man, B. B.	.....	289	1881	Pittsburg Coal Co., Cleveland, O.
Sch	Ida	.....	169	1867	C. C. Nelson, Chicago, Ill.
Sly	Ida	.....	6	1900	Ida Vedder, Buffalo, N. Y.
Gas	Ida	.....	9	1903	Charles Pickett, Erie, Pa.
Gas	Ida Caroline	.....	22	1902	John Eagan, Milwaukee, Wis.
Sr	Ida E.	.....	181	1887	Charles Lonsby, Mt. Clemens, Mich.
Sch	Ida Jane	.....	13	1881	J. R. Lynd, Sturgeon Bay, Wis.
Sly	Ideal	.....	40	1885	A. C. Mayo, Duluth, Minn.
Sly	Ideal	.....	20	1891	Ranney Fish Co., Cleveland, O.
Sly	Idler	.....	57	1886	H. W. Visger, Alexandria Bay, N. Y.
Sly	Idler	.....	363	1879	A. R. Lee, Detroit, Mich.
Sly	Ike	.....	36	1889	James Fox, Messina, N. Y.
Sly	Illinois	.....	8	1901	C. S. Roberts, Chicago, Ill.
Gas	Illinois	.....	16	1904	Frank Martinek, Chicago, Ill.
Sr	Illinois	.....	247	1899	Northern Mich. Trans. Co., Chicago, Ill.
F. B.	Illinois	.....	287	1898	Chicago Fire Dept., Chicago, Ill.
Sr	Imperial	.....	68	1879	McCormick Harvesting Mach. Co., Chicago, Ill.
Sch	Imperial	.....	95	1878	W. H. Wallace, Joliet, Ill.
Sr	Ina	.....	16	1881	E. J. Dodge, Put-in-Bay, O.
Sch	India	.....	316	1873	Name changed to Hocking.
Sr	Indiana	.....	1177	1890	Goodrich Trans. Co., Duluth, Minn.
Sr	Indienne	.....	26	1888	C. J. Jordon, New York City.
Sr	Indra	.....	9	1892	Joseph Mang, La Salle, N. Y.
Tug	Industry	.....	80	1897	Great Lakes Towing Co., Cleveland, O.
Sch	Industry	.....	55	1870	Hans Elison, Sturgeon Bay, Wis.
Dge	Industry	.....	...	1905	St. Lawrence River Power Co., Massena, N. Y.
Tug	Inman, B. B.	.....	89	1895	Great Lakes Towing Co., Cleveland, O.
Bge	Interlaken	.....	567	1893	Alex. R. Sinclair & Co., Port Huron, Mich.
Sr	International	.....	144	1889	Geo. Kemp, Sault Ste. Marie, Mich.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Bge	Interstate	303	303	.....	1899	W. A. Whitney, W. Superior, Wis.
Str	Ione	15	9	56x9	1878	J. F. Easton, Alexandria Bay, N. Y.
Str	Ionia	1418	1011	209x38	1890	E. L. Thompson, Hammond Bldg., Detroit, Mich.
Str	Iowa	1157	846	202x36	1896	Goodrich Trans. Co., Chicago, Ill.
Sch	Ireland	.....	339	147x28	1863	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str	Ireland, R. L.	4470	3143	416x50	1903	J. C. Gilchrist, Cleveland, O.
Str	Irene	10	7	46x12	1893	D. F. Daley, Menominee, Mich.
Sip	Iris	.....	7	30x10	1903	E. H. Hayes, Chicago, Ill.
Sly	Iris	.....	12	47x15	1895	F. H. Payne, Erie, Pa.
Sly	Irma	.....	30	51x11	1892	H. C. Derksen, Oshkosh, Wis.
Str	Iron Age	1114	967	226x34	1880	W. J. Willoughby, Huron, O.
Sch	Iron City	648	615	187x36	1874	Guy White, Buffalo, N. Y.
Sch	Iron Cliff	1116	1077	212x35	1881	J. C. Pringle, St. Clair, Mich.
Str	Iron Duke.	See Str. Hall, Henry B.				
Sch	Iron Queen	1384	1321	242x38	1887	} O. G. & G. W. Donaldson, Buffalo, N. Y.
Str	Iron King	1702	1223	252x38	1887	
Str	I Wonder	16	10	65x10	1897	Jno. Hoadley, Alexandria Bay, N. Y.
Sly	Iroquois	11	11	34x12	1902	Thomas T. Smith, Park Ridge, Ill.
Gas	Irving	6	5	35x6	1894	Joshua G. Dawson, Chicago, Ill.
Tug	Isabella	43	29	73x16	1904	Isabella Lincoln, Alpena, Mich.
Tug	Isbell, Wayne	31	15	70x14	1876	A. W. & W. B. Comstock, Alpena, Mich.
Str	Ishpeming	6924	5476	530x56	1906	Grand Island Steamship Co., Grand Island, Mich.
Sip	Island Belle	89	65	100x20	1879	A. A. Holmes, Alexandria Bay, N. Y.
Str	Islander	118	59	425x20	1871	Thousand Isl. Sibt. Co., Cape Vincent, N. Y.
Str	Islander	291	174	114x23	1895	Geo. T. Arnold, Mackinac, Mich.
Tug	Island	26	13	60x13	1892	A. B. Wolvin, Superior, Wis.
Sip	Isle La Motte Boy.	16	16	48x11	1890	P. Pearo, Isle La Motte, Vt.
Str	Italia	2305	1785	289x42	1889	James Corrigan, Cleveland, O. Rebuilt 1900.

Seb I. and M. C. ....	90	67	1883	Western Stone Co., Chicago, Ill.
Sty Ivy .....	38	26	1901	Walter H. Oades, Detroit, Mich.
<b>J</b>				
Sch Jackson, G. K. ....	400	380	1882	Mershon, Schuette, Parker & Co., Saginaw, Mich.
Tug Jackson, Rose .....	35	17	1881	Jackson & Corbett Co., Chicago, Ill.
Sir James, Henry R....	2048	1552	1890	Rutland Trans. Co., Ogdensburg, N. Y.
Sir Japan .....	1239	932	1871	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Sly Jean .....	28	19	1897	Thos. A. Gillespie, New York.
Sly Jeanette .....	11	11	1893	J. L. Doornhein, Chicago, Ill.
Sir Jeffrey, J. H., Jr. ....	12	6	1892	Wm. Jeffrey, Duluth, Minn.
Sir Jenkins, Chas. O.....	4287	524x54	1907	Jenkins S. S. Co., Cleveland, O.
Sir Jenkins, J. M.....	4644	3381	1902	W. A. Hawgood, Cleveland, O.
Sch Jeness, B. W. ....	356	339	1867	O. W. Blodgett, Bay City, Mich.
Cbt Jennings, Alida J. ....	116	98	1887	Frank Jennings, New York, N. Y.
Sch Jenny, W. LeB.....	3422	3280	1897	Pittsburg Steamship Co., Cleveland, O.
Sly Jessie .....	16	10	1886	Cook & Brown Lime Co., Oshkosh, Wis.
Sir Jessie .....	201	201	1900	Augustus R. Hinckley, Oswego, N. Y.
Sch Johnson, C. J. ....	99	49	1887	Edgewater Lighterage Co., Buffalo, N. Y.
Sir Johnson, H. W. ....	222	165	1865	John Desann, Wyandotte, Mich.
Tug Johnson, John .....	59	29	1887	Light House Board.
Tug Johnson, L. B. ....	42	21	1868	Dunham Towing & Wrecking Co., Chicago, Ill.
Lost.				
Sch Johnson, Nellie .....	41	39	1894	Peter Johnson, St. James, Mich.
Sir Johnson, Robert E. ....	22	15	1906	John Walsend, Grand Haven, Mich.
Sir Joliet .....	1935	1596	1890	Pittsburg Steamship Co., Cleveland, O.
Stb Joliet .....	93	53	1883	W. H. Wallace, Lockport, Ill.
Sir Jones, Arthur .....	34	20	1893	Albert Brown, Sand Beach, Mich.
Sir Jones, B. F.....	6939	5492	1906	Interstate S. S. Co., Jos. M. Hayden, Duluth.
Sch Jones, Chester B. ....	493	470	1878	John Nelson, Tonawanda, N. Y.
Sch Jones, John V.....	200	190	1875	Edward Gillen, Milwaukee, Wis.
Sly Josephine .....	15	14	1881	W. S. Tucker, Mt. Clemens, Mich.
Sch Josephine .....	12	11	1888	Albert Pommerville, Augres, Mich.
Sly Josephine .....	8	8	1899	Eugene C. Knight, Chicago, Ill.

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Sch	Joses	120	114	99x24	1866	Evan Johnson, Racine, Wis.
Sew	Joubert	194	194	104x26	1900	W. A. Whitney, W. Superior, Wis. Rebuilt 1902.
Sch	Judd, E. T.	989	369	149x29	1872	Adelaide M. Jex, Toledo, O.
Sip	Julia	42	40	62x15	1884	P. Pearo, Isle La Motte, Vt.
Sly	Juliet	61	44	70x17	1889	John A. Kruse, Chicago, Ill.
Bge	June	44	44	52x22	1902	U. S. Lighthouse Dept., Detroit, Mich.
Gas	Juanita	32	32	60x16	1902	Fred. A. Price, Chicago, Ill. Formerly Weinco II.
Sir	Junia	4333	2619	340x45	1905	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Sir	Junia	1708	1474	252x35	1878	Name changed to Winnepeg.
Sir	Junior	339	310	135x33	1906	Oscar Jarsch.
Sir	Jupiter	3719	2769	346x48	1901	J. C. Gilchrist, Cleveland.
Sch	Jura	227	216	129x28	1862	Ole Hanson, Milwaukee, Wis.
K						
Sly	Kaelma	9	6	50x 8	....	Wm. J. McCaffrey, Plattsburg, N. Y.
Sir	Kalkaska	679	555	178x33	1884	J. A. Calbick, Chicago, Ill.
Sly	Kalolah	42	21	80x14	1893	Albert H. Schmidt, Detroit, Mich.
Sly	Kanaka	14	7	46x10	1891	Wm. DeMooy, Cleveland, O.
Sir	Kane, Thomas	16	10	53x10	1888	E. J. Laway, Mackinaw City, Mich.
Sir	Kansas	835	588	185x33	1870	Northern Mich. Trans. Co., Chicago, Ill.
Tug	Karl, Minnie	23	13	52x13	1883	D. E. Stevens, Duluth, Minn.
Sly	Karma	38	19	78x12	1900	W. H. Post, Ogdensburg, N. Y.
Sip	Kate	10	10	46x12	1900	Wm. Lagare, Alexandria Bay, N. Y.
Sch	Kathryn	629	629	150x34	1904	Empire Limestone Co., Buffalo, N. Y.
Sey	Kayoshk	9	9	35x10	1900	Robert H. Adams, Chicago, Ill.
Sir	Kearsarge	3092	2721	928x44	1894	Interlake Co., F. M. & Co., Agts., Cleveland, O.
Sir	Keefe, James S.	1640	944	238x41	1903	Gt. Lakes & St. Lawrence Trans. Co., D. T. Helm, Duluth, Minn.
Sch	Keith, Ida	489	465	163x30	1873	Shannon & Garey, Saginaw, Mich.
Tug	Kelderhouse, John	....	....	31x..	1907	Benjamin L. Coles, Buffalo, N. Y.

Tug Sch	Kelderhouse, J. ....	43	21	64x15	1884	John H. Hickler, Buffalo, N. Y.
Sch	Kelderhouse, John .....	500	475	168x32	1857	J. T. Reid, Port Huron, Mich.
Sch	Keller, Hugo .....	129	105	92x17	1890	W. C. Witter, Buffalo, N. Y.
Sch	Kelley Edward .....	776	737	187x35	1874	George B. Taylor, Erie, Pa.
Sch	Kelley, Fred .....	770	575	212x32	1871	M. A. Bradley, Cleveland, O.
Bge	†Kelley, Norman ...	513	497	177x36	1905	Kelley Isl. Lime & T. Co., Cleveland, O.
Sch	Kellogg .....	489	489	161x35	1899	Leatham & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Sch	Kelly .....	69	69	72x24	1891	James Magee, Duluth, Minn.
Bge	Kelly, Nora .....	25	25	43x18	1886	James McGee, Duluth, Minn.
Sch	Kendall, Harvey J. ...	398	264	141x30	1892	M. W. Mills, Marysville, Mich.
Str	†Kennedy, Hugh ...	7064	5500	552x56	1906	John Mitchell, Cleveland, O.
Tug	Kennedy, Wm. ....	86	43	74x20	1893	Great Lakes Towing Co., Cleveland, O.
Str	†Kennedy, James ...	10	7	37x11	1895	Daniel Cotter, Buffalo, N. Y.
Str	†Kensington .....	3762	3130	370x50	1903	John J. Boland & Co., Buffalo, N. Y.
Str	†Kerr, D. G. ....	5531	3992	468x52	1903	Provident Steamship Co., A. B. Wolvin, Mngr., Duluth, Minn.
Str	†Kerr, Wm. B. ....	7769	5943	605x60	1906	Weston Transit Co., N. Tonawanda, N. Y.
Str	Kestrel .....	21	14	59x12	1892	D. Crawford Clark, Essex, N. Y.
Str	†Ketcham, J. B., 2d..	908	779	193x40	1892	H. N. Loud, Au Sabie, Mich.
Sch	Ketchum, Jas. L. ...	413	393	156x31	1867	W. H. Sharp, Bay City, Mich.
Str	Kewaunee .....	133	67	95x24	1900	H. L. Brown, Buffalo, N. Y.
Sch	Kewaunee .....	194	172	123x27	1899	A. M. Skang, Escanaba, Mich.
Tug	†Keystone .....	94	54	87x19	1891	Commissioners of Lincoln Park, Chicago, Ill.
Tug	Keystone .....	18	13	56x14	1902	Simon Schacht, Erie, Pa.
Gas	Kid .....	7	5	52x10	1900	U. G. Lee, Chicago, Ill.
Tug	Kinch, Wm. H. ....	58	39	68x17	1902	Buffalo Dredging Co., Buffalo, N. Y.
Sch	King, C. G. ....	457	494	163x29	1870	H. Leonard Wilton, Detroit, Mich.
Tug	King, Fred .....	13	6	50x10	1889	David Wood, Cleveland, O.
Str	King, George .....	532	380	176x30	1874	M. Sicken, Marine City, Mich.
Sch	King of the Kids ...	55	55	71x20	1901	Wm. H. Reese, Clayton, N. Y.
Stp	†Kirby, Frank E. ...	532	374	195x30	1890	Ashley & Du-tin, Detroit, Mich.
Str	†Kirby, S. R. ....	2338	1823	294x42	1890	Northwestern Trans. Co., Detroit, Mich.
Sch	Kirk, W. B. ....	116	93	92x14	1887	Marion S. Kelsey, Brockport, N. Y.
Str	Kittie D. ....	20	14	53x12	1902	Wm. Deckert, Buffalo, N. Y.

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Sch	Knapp, F. M. ....	384	365	155x29	1867	S. C. McLouth, Marine City, Mich.
Tug	Knapp, L. W. ....	17	11	57x13	1895	John A. Dahmer, Charlevoix, Mich.
Str	Knapp, M. A. ....	60	31	66x17	1893	Conrad Niederman, Milwaukee, Wis.
Tug	Knight Templar ...	38	19	62x16	1890	Independent Tug Boat Line, Milwaukee, Wis.
Str	Knight, Theodore C.	29	20	48x14	1903	Theodore E. Cowles, Buffalo, N. Y.
Str	Knobloch, Lena ...	87	55	75x15	1881	Frank R. McGregor, Chicago, Ill.
Bge	Koal Kabin. ....	567	557	172x35	1882	R. P. Thompson, Port Huron, Mich.
Tug	Koehn, Frederick ...	39	19	70x13	1886	Ernst Schneidewind, Sheboygan, Wis.
Tug	Koerber, Henry, Jr.	44	30	69x16	1902	Fix Bros., Buffalo, N. Y.
Bge	Koerber, Lottie ....	58	58	65x17	1901	Frank F. Fix, Buffalo, N. Y.
Str	Kongo. ....	972	482	215x31	1881	H. N. Loud, Au Sable, Mich.
Str	†Kopp, Jacob T. ....	6035	4530	500x54	1907	Pennsylvania S. S. Co., J. J. Boland, Mgr., Buffalo, N. Y.
Str	†Kotcher, C. W. ....	4961	3632	440x52	1907	Detroit S. S. Co., J. H. Walsh, Mgr., Detroit, Mich.
Scw	Kruger, Paul. ....	227	227	109x29	1899	Wm. H. Botten, Cleveland, O.
Bge	†Krupp, Alfred. ....	3259	3124	352x44	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Kunkle Bros. ....	55	27	69x19	1890	Great Lakes Towing Co., Cleveland, O.
Str	Kunz Dan. ....	99	59	102x24	1888	Wm. L. Morrison, Erie, Pa.
L						
Str	†Lackawanna. ....	2015	1595	260x39	1888	Buffalo Transit Co., Buffalo, N. Y.
H. B.	La Duchess. ....	247	247	104x22	1903	George S. Wagoner, Alexandria Bay, N. Y.
Scb	Lady Wimet. ....	141	110	95x17	1877	L. S. VanAmburgh, Buffalo, N. Y.
Str	†Lagonda. ....	3647	3017	375x45	1896	Etna Steamship Co., Mitchell & Co., Cleveland.
Str	Lain, John, Jr. ....	12	8	46x11	1900	Ole Hansen, Milwaukee, Wis.
Sch	Lake Forest. ....	900	273	145x29	1869	James Erickson, Milwaukee, Wis.
Str	†Lake Shore. ....	3871	2997	356x50	1901	J. C. Gilchrist, Cleveland, O.
Sch	Lake Side. ....	39	32	68x18	1899	Henry L. Peltier, Erin, Mich.
Str	†Lakeside. ....	337	229	148x28	1901	Sandusky & Peninsula Stbt. Co., Sandusky, O.
Str	Lamb, C. H. ....	22	9	54x14	1891	E. D. Carter, Erie, Pa. Rebuilt 1899.

Str	†Lambert, John.....	1550	929	241x41	1903	Gt. Lakes & St. Lawrence Trans. Co., D. T. Helm, Duluth, Minn.
Sch	Lambert, R. F....	23	22	50x15	1873	James Stevenson, Cedarville, Mich.
La	Moore, Helen C...	9	9	49x12	1904	Jas. E. La Moore, Newaygo, Mich.
Scb	Lang, John .....	107	75	93x17	1875	Patrick Hines, Buffalo, N. Y.
Str	Langdon, James R. 2044	1550	240x42	1889	Rutland Trans. Co., Ogdensburg, N. Y.	
Str	Langell Boys .....	387	286	151x30	1890	Mershon, Schuette, Parker & Co., Saginaw, Mich.
Str	Langell, Simon ....	845	677	195x34	1886	Comstock & Sinclair, Duluth, Minn.
Str	Langham .....	1810	1451	281x48	1888	Thos. Adams, Detroit, Mich.
Str	Lansing .....	1611	1247	251x41	1887	J. C. Gilchrist, Cleveland, O.
Bge	Lark .....	44	44	52x22	1902	T. Hurley, Detroit, Mich.
Sch	Larson, Julia .....	59	56	70x18	1874	R. J. Roberts, Sand Beach, Mich.
Str	†La Salle .....	1921	1596	266x38	1890	Pittsburg Steamship Co., Cleveland, O.
Sch	Lathrop, S. H....	278	264	137x26	1856	F. W. Gilchrist, Alpena, Mich.
Tug	Lattimer, Geo. E..	27	19	50x16	1899	Grattan & Lattimer, Buffalo, N. Y.
Str	Laughlin, James ..	6939	5492	530x56	1906	Interstate S. S. Co., Jas. H. Hayden, Duluth, Minn.
Dge	Laura D. ....	135	122	101x27	1891	Thos. J. Degnan, care Lake Sand & Gravel Co., Toledo, O.
Cyt	Laurena .....	64	43	75x15	1899	James Hartness, Springfield, Vt.
Gas	Lavolette, G. F..	19	13	50x11	1903	Felix Lavolette, Green Bay, Wis. Rebuilt 1906.
Sch	Law, Lizzie A....	747	710	196x33	1875	Edward Hines Lumber Co., Chicago.
Sch	Lawrence, Fred M..	124	92	89x17	1893	Jennie P. Gilson, Buffalo, N. Y.
Sch	Lawson, Iver .....	149	141	116x25	1869	Henry Larsen, Chicago, Ill.
Sch	Leader .....	31	30	57x15	1892	Georgia Lee, St. Clair, Mich.
Tug	Leatham, John ....	75	38	80x17	1878	Leatham & Smith, Sturgeon Bay, Wis.
Str	Lee, Fred A .....	60	40	70x16	1896	Lake Erie Dredging Co., Buffalo, N. Y.
Bge	Lee, Sam .....	278	278	80x28	1871	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	Le Fevre .....	138	87	115x31	1901	William A. Lockwood, Sandusky, O. Re-built 1905.
Str	†Lehigh .....	1704	1503	238x36	1880	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Sch	Leighton, Frank C..	928	312	137x26	1875	Albert Dickinson, Chicago, Ill.
Str	Leimer, J. E. ....	139	88	124x23	1901	Mark Garrow, Eureka, Wis.
Str	Leland .....	966	318	148x27	1873	Alex. Hitchcock, Port Clinton, O.

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Str	Lena L.....	10	10	42x11	1896	Wm. Legare, Alexandria Bay, N. Y.
Gas	Leo A. ....	10	9	39x 9	1905	Chas. Nelson, Erie, Pa.
Gas	Leona ..... 12	8	8	50x10	1905	G. A. Grosse, Sr., Little Swamico, Wis.
Str	Leona R. ....	16	11	44x14	1903	Adolph Roeser, Sister Bay, Wis.
Str	Leonard, Geo. B. ....	4037	2844	380x50	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Str	Leroy, H. C. ....	78	49	60x17	1892	H. Doville, Sodus Point, N. Y.
Sch	Lester, T. G. ....	257	246	141x26	1868	Shannon & Garey, Saginaw, Mich.
Str	Leuty, D. ....	646	550	178x33	1882	Saginaw Bay Trans. Co., Cleveland.
Str	Lewiston ..... 1808	1342	272x38	1886	John Green, Buffalo, N. Y.	
Str	Liberty ..... 143	126	96x18	1889	Austin Harrington, et al., Holland, Mich.	
Str	Lillie ..... 31	26	69x15	1872	A. A. & B. W. Parker, Detroit, Mich.	
Str	Lillie A. ....	11	5	46x11	1891	Robert Hill, Cecil Bay, Mich.
Sl	Lillie D. ....	28	28	61x15	1902	Alonzo Diefendorf, Chaumont, N. Y.
Tug	Lillie and May. ....	12	8	44x10	1903	Mellissie Moyer, Buffalo, N. Y.
Str	Lily ..... 104	79	94x23	1889	J. N. Tucker, Mt. Clemens, Mich.	
Sch	Lilly E. ....	191	182	123x25	1869	Claus S. Jorgenson, Racine, Wis.
Gas	Lilly K. ....	13	12	31x 9	1905	Robert Kuetner, Sheboygan, Wis.
Str	Linn, Wm. R. ....	4328	3196	400x48	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Lindrup ..... 42	28	63x15	1891	James Tesar, Two Rivers, Wis.	
Bge	Lintie ..... 42	42	50x22	1903	T. Hurley, Detroit, Mich.	
Str	Little Albert ..... 18	9	52x13	1888	Geo. W. Jones, Tonawanda, N. Y.	
Str	Little, C. H. ....	324	241	144x28	1903	C. H. Little Co., Detroit, Mich.
Sch	Little George ..... 52	49	81x17	1870	William H. Reese, St. Joseph, Mich.	
Sch	Little Jake ..... 364	346	169x29	1875	A. L. Hyde, Cleveland, O.	
Str	Little Mac ..... 25	19	60x10	1886	A. W. Adams, Chaumont, N. Y.	
Str	Little Maeta .... 10	6	36x10	1903	John Gensit, Charlevoix, Mich.	
					1906.	Rebuilt in
Str	Livingstone ..... 2134	1622	281x41	1889	Wm. Livingstone, Mgr., Detroit, Mich.	
Str	Lizzie H. ....	15	7	49x 9	1888	John Hannan, Ogdenburg, N. Y.
Tug	Lloyd, Hattie ..... 34	28	68x12	1883	A. C. Majo, Duluth, Minn.	
Str	Lloyd, M. ....	81	22	70x14	1882	John Mollhagen, St. Joseph, Mich.

Sch	Loadstone .....	32	67x18	1867	M. Peshea, Detroit, Mich.
Str	Lockport .....	19	46x10	1898	W. G. Maxcy, Oshkosh, Wis.
Tug	Loesch, Eugene...	19	45x14	1903	Eugene Loesch, Erie, Pa.
Gyt	Lois .....	25	59x15	1903	Cameron D. Waterman, Grosse Isle, Mich.
Tug	Long John .....	12	52x10	1904	R. Bell Fish Co., Port Clinton, O.
Str	Lookout .....	28	46x11	1894	F. C. Evershed, Irondequoit, N. Y.
Tug	Loomis, Luther ...	29	54x13	1889	J. A. Hogan, Chicago, Ill.
Str	Lorain, T. ....	20	50x14	1900	Wm. Schlake, Chicago, Ill.
Str	Lorena .....	34	70x15	1882	Joseph Walter, Sturgeon Bay, Wis.
Gay	Loretta .....	6	34x10	1901	Wm. G. Haas, Erie, Pa.
Str	Loretta .....	9	31x 7	1895	John Connelly, Buffalo, N. Y.
Tug	Lorman, C. A. ....	41	20 59x16	1893	Alex. Ruelle, Jr., Detroit, Mich.
Str	Lotus .....	219	110x22	1893	J. B. Moran, Escanaba, Mich.
Sch	Lotus .....	270	136x28	1867	J. Perry Bates, Chicago, Ill.
Str	Lotus .....	52	89x14	1887	Geo. Hall, Ogdensburg, N. Y.
Gas	Lou .....	10	41x 4	1899	Herman A. Schmidt, Detroit, Mich.
Str	Louise .....	83	88x19	1878	Jos. W. Post, Sandusky, O.
Str	Louise .....	49	24 91x14	1893	Geo. S. Wagoner, Alexandria Bay, N. Y.
Tug	Louise .....	15	7 44x12	1873	A. Moisan, Detroit, Mich.
Tug	Louise B. ....	14	8 41x11	1898	A. W. Beidler, Chicago, Ill.
Str	Louisiana .....	1929	267x39	1887	F. M. Osborne, Cleveland, O.
Sch	Lovitt, Willie .....	181	172 116x25	1873	Chas. Donahue, Lorain, O.
Tug	Lovisa .....	18	9 53x13	1891	C. F. Mischler, Sandusky, O.
Gas	Loyola .....	23	22 43x11	1906	John A. Olmsted, Menasha, Wis.
Sch	Lozen, J. B. ....	565	178x32	1890	J. B. Lozen, New Baltimore, Mich.
Sch	Luckey, A. W. ...	311	292 147x26	1867	Louis Sands, Salt & Lumber Co., Manistee, Mich.
Sch	Lucy .....	73	65 100x23	1902	D. F. King, Detroit, Mich.
Tug	Lucy .....	16	11 49x12	1890	John M. Desmond, Dunkirk, N. Y.
Sch	Ludwig, Mary .....	68	81x19	1874	Augusta Johnson, Muskegon, Mich.
Str	Lulse M. ....	18	9 53x11	1892	G. Muntiga, Sheboygan, Wis.
Sch	Luling, Chas. ....	195	185 123x25	1873	M. Cram, Charlevoix, Mich.
Str	Luna .....	143	101 105x30	1882	Christ Schlatterer, Saginaw, Mich.
Tug	Lutz, Maggie .....	15	8 45x12	1873	A Fairchild, Frankfort, Mich.
Tug	Lutz, T. C. ....	136	70 82x21	1896	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	Luyster, P. B. ....	17	9 43x12	1897	R. Houghton, Detroit, Mich.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Luzon .....	3582	2778	346x48	1902	E. D. Carter, Cleveland, O.
Str	Lycoming .....	1448	1119	251x36	1880	James O'Connor, Tonawanda, N. Y.
Sch	Lydian .....	83	79	80x20	1874	T. W. Morse, Chicago, Ill.
Tug	Lydon, Harry C. ...	67	19	69x18	1898	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Lynch, John .....	166	105	106x32	1877	W. W. Le Fevre, Tustin, Wis.
Str	†Lynch, Thos. ...	7240	5450	605x58	1906	Pittsburg Steamship Co., Cleveland, O.
Sch	Lyon, Mary .....	334	317	138x26	1874	Geo. Hall Coal Co., Ogdensburg, N. Y.
Sch	Lynx .....	10	7	40x10	1905	Ferdinand Bahr, Sheboygan, Wis.
H. B.	Lysander .....	171	171	83x20	1902	A. C. Fields, Thousand Islands Park, N. Y.
<b>M</b>						
Sch	McBrier, A. J. ....	111	105	95x23	1884	C. B. Moiles, Saginaw, Mich. Lost.
Str	McCann, Margaret..	35	22	69x15	1894	Jas. McCann, St. James, Mich.
Tug	McCarthy W. J. ....	18	9	47x11	1886	Simon Schacht, Erie, Pa.
Tug	McCarthy, Wm. ....	80	54	70x18	....	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	McCormick .....	23	11	51x13	1887	John P. Nagle, Toledo, O.
Tug	McDonald, Rita ....	69	47	72x21	1897	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	†McDougall, Alex...3686	2662	413x50	1898	Pittsburg Steamship Co., Cleveland, O.	
Bge	McDougall, John A. 415	400	151x31	1873	Edmund Hall, Detroit, Mich.	
Tug	McFadden, J. D. ....	15	7	45x11	1892	James Magee, Duluth, Minn.
Str	†McGean, John A. ...	....	452x52	....	Hutchinson & Co., Cleveland, O.	
Sch	McGregor, Wm. ...	732	696	200x33	1872	James E. Sheehan, Detroit, Mich.
Str	McGregor, Mary A. 711	581	179x33	1889	W. H. Teare, 7 Carter st., Cleveland, O.	
Str	†McIntosh, H. P. 6765	5371	540x54	1906	J. C. Gilchrist, Cleveland, O.	
Str	McIntyre, C. A. ....	44	22	48x12	1884	Frank F. Brown, Buffalo, N. Y.
Str	McKerchey, John M.,	732	443	161x37	1906	John M. McKerchey, Detroit, Mich.
Sch	McLachlan, Mary E. 1762	1692	251x41	1893	McLachlan Trans. Co., Port Huron, Mich.	
Tug	McLean, Andrew A. 23	11	50x15	1890	J. C. Garey, Saginaw, Mich.	

Str	McLouth, Sydney C.	2220	2046	266x40	1880	Sydney C. McLouth, Marine City, Mich. Nee Rochester.
Tug	McNaughton, P. B.	63	31	73x17	1888	P. B. McNaughton, Buffalo, N. Y.
Str	McVea, Charles	331	263	123x24	1888	Wm. H. Waggoner, Green Bay, Wis.
Sch	McVea, E. J.	278	.....	140x..	1873	M. Sicken, Marine City, Mich.
Str	McVittie, A.	2046	1552	240x42	1890	Rutland Trans. Co., Ogdensburg, N. Y.
Sch	McWilliams, Ed.	743	706	200x35	1893	Hope Trans. Co., J. A. Francombe, Mngr, Detroit, Mich.
Str	McWilliams, J. J.	3400	2808	852x44	1895	Mitchell & Co., Cleveland, O.
Str	Mabel	.....	27	68x11	1901	Jas. G. Wilson, Clayton, N. Y.
Gyt	Mabel W.	.....	17	44x11	1905	J. J. Wagner, Chicago, Ill.
Str	Mac, Wm. H.	3781	2923	354x48	1903	Jenkins S. S. Co., Rockefeller Bldg., Cleveland.
Str	Mac, William S.	3720	2785	346x48	1901	Lake Erie Trans. Co., Cleveland, O.
Str	Madden, Lizzie	690	517	175x34	1887	M. J. Lynn, Mgr., Bay City, Mich. Lost.
Tug	Madden, Thos. F.	17	8	47x13	1891	.....
Sch	Madonna	.....	76	79x24	1871	O. Christenson, Detroit Harbor, Wis.
Gyt	Mae	.....	15	45x8	1899	..... Chicago, Ill.
Gyt	Maggie	.....	30	54x16	1899	B. N. Pickards, Leland, Mich.
Sch	Magill, C. J.	334	917	141x30	1863	E. C. Calvert, et al., Detroit, Mich.
Sch	Magna	3259	3124	352x44	1896	Pittsburg Steamship Co., Cleveland, O.
Sch	Magnetic	.....	1770	264x38	1882	J. C. Gilchrist, Cleveland, O.
Tug	Mahar, John	.....	20	44x12	1905	Philip Mago, Tonawanda, N. Y.
Str	Mahoning	2189	1744	274x40	1892	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Sch	Maia	3804	3442	376x48	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Maid of the Mist	99	63	75x18	1892	Frank LaBlonde, Niagara Falls, N. Y.
Sch	Maida	3474	3210	375x46	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Maine	.....	332	132x27	1862	W. H. Sharp, Bay City, Mich.
Bge	Maitland, Alexander	3351	2998	366x44	1902	Franklin Trans. Co., J. S. Ashley, Mgr., Cleveland, O.
Str	Majestic	1985	1609	291x40	1889	Timothy Hurley, Detroit, Mich. Lost.
Bge	Majestic	63	31	76x18	1871	D. E. Stevens, Duluth, Minn.
Str	Major	147	110	108x24	1891	Geo. Berriman, Erie, Pa.
Str	Major	12	8	37x10	1900	Anton Kolp, Milwaukee, Wis.
Str	Major	1864	1491	283x41	1889	Mitchell & Co., Cleveland, O.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Major Dana .....	47	26	64x18	1891	W. A. Whitney, West Superior, Wis.
Str	Major Kingman .....	47	15	66x17	1901	Empire Limestone Co., Buffalo, N. Y.
Tug	Major Symons .....	43	30	60x17	1900	Wellington McMin, Buffalo, N. Y.
Str	†Malietoa .....	5229	3921	454x50	1899	Pittsburg Steamship Co., Cleveland, O.
Slp	Malone, Belle .....	19	19	49x14	1905	C. H. Kendall, Clayton, N. Y.
Sch	†Malta .....	2237	2132	302x40	1895	Pittsburg Steamship Co., Cleveland, O.
Sch	Namie George .....	12	12	41x12	1886	John G. Peterson, Chicago, Ill.
Str	Manchester .....	2132	1611	281x41	1889	Milwaukee-Western Steamship Co., Milwaukee, Wis.
Bge	†Manda .....	3256	3121	352x44	1896	Pittsburg Steamship Co., Cleveland, O.
Sch	†Manila .....	5039	4667	436x50	1899	Pittsburg Steamship Co., Cleveland, O.
Str	Manistee .....	843	485	202x32	1883	J. O. Nessen & Co., Manistee, Mich. Formerly Alice Stafford.
Str	Manistique .....	473	382	157x31	1882	Reid Towing & Wrecking Co., Port Huron, Mich.
Stp	M. M. & N. No. 1 .....	2933	1755	338x56	1903	Daniel W. Kaufman, Grand Rapids, Mich.
Stp	†Manitou .....	2944	2391	274x42	1893	Northern Michigan Transp. Co., Chicago, Ill.
Scy	Manitou .....	31	29	52x16	1896	Lewis H. Cowles, Cleveland, O.
Tug	Mann, John C. ....	33	16	60x15	1898	Geo. K. Cartier, Ludington, Mich.
Str	Mann, Mary .....	11	6	61x13	1891	W. E. Kerr, Duluth, Minn.
Str	†Manning, J. P. ....	58	39	63x17	1906	L. S. & M. S. Ry. Co., Cleveland, O.
Str	Manning, John P. ....	13	7	46x11	1891	John Monson, Cleveland, O.
Str	†Manola .....	2325	1835	282x40	1890	Pittsburg Steamship Co., Cleveland, O.
St. L	Manusfield .....	382	351	159x32	1892	W. L. Scott Co., Erie, Pa.
Str	Manulitta .....	33	24	60x12	1906	W. W. Tolman, Berlin, Wis.
Sch	†Marcia .....	2237	2132	302x40	1895	Pittsburg Steamship Co., Cleveland, O.
Sty	Marcia .....	22	15	62x10	1903	M. D. Wilber, Chicago, Ill.
Bge	Marconi .....	175	175	82x26	1892	Wm. Osborn, Duluth, Minn.
Sch	Marengo .....	648	615	189x32	1873	George B. Taylor, Erie, Pa.
Sty	†Margaret .....	88	59	96x16	1902	J. H. Ruthersford, Grand Isle, Vt.
Tug	Margretta .....	18	9	52x13	1897	Joseph J. Sparks, Detroit, Mich.
Gas	Marguedora .....	56	49	80x16	1902	T. P. Shonis, Chicago, Ill.
Tug	†Marguerite .....	27	13	45x14	1894	Cleveland Dredge & Dock Co., Cleveland, O.

Str †Maricopa	4223	3669	406x48	1896	Pittsburg Steamship Co., Cleveland, O.
Tug Mariel	36	18	66x14	1883	Wm. L. Pierce, Duluth, Minn.
Str †Marina	2431	1992	292x40	1891	Pittsburg Steamship Co., Cleveland, O.
Str Marion	930	672	202x34	1889	Michigan, Indiana & Illinois Line, Chicago.
Tug Marion	17	8	43x13	1889	L. S. & M. S. Ry., Cleveland, O.
Tug †Marion	63	43	60x18	1898	Henry Hickler, Sault Ste. Marie, Mich.
Str †Mariposa	2831	2306	330x45	1892	Pittsburg Steamship Co., Cleveland, O.
Tug Mariposa	92	62	93x24	1902	Richard R. Endress, Sault Ste. Marie, Mich.
Stp Mariquita	11	5	51x11	1873	Champlain Trans. Co., Burlington, Vt.
Gyt Mariquita	28	23	59x12	1901	J. S. Miller, Franklin, Pa.
Str †Mariska	2325	1835	283x40	1890	Pittsburg Steamship Co., Cleveland, O.
Str †Maritana	2957	2429	330x45	1892	Pittsburg Steamship Co., Cleveland, O.
Sch Mark, John	299	284	142x26	1870	Donnelly Contracting Co., Buffalo, N. Y. Out of Com.
Str Markham, Geo. C.	309	249	141x28	1883	William Munroe et al., Muskegon, Mich.
Str †M. & B. No. 1	1732	998	241x43	1902	Marquette & Bessemer D. & N. Co., Conneaut, Ohio.
Str †M. & B. No. 2	2514	1484	338x54	1905	Marquette & Bessemer D. & N. Co., Conneaut, Ohio.
Sch Mars	131	105	95x17	1880	Albert Shaw, Buffalo, N. Y.
Str †Mars	3748	2943	346x48	1901	J. C. Gilchrist, Cleveland, O.
Stp Mars	132	117	.....	1902	La Crosse, Wis.
Bge †Marsala	5039	4667	436x50	1900	Pittsburg Steamship Co., Cleveland, O.
Sch Marsh, Geo. A.	202	192	135x26	1882	Abraham Thompson, Chicago, Ill.
Str †Marshall, Albert M.	1640	987	241x41	1903	Gt. Lakes & St. Lawrence Trans. Co., D. Sul- ivan, Mgr., Chicago, Ill.
Str Marshall, J. D.	531	428	154x33	1891	J. O. Nessen & Co., Manistee, Mich.
Str Marshall, Maggie	365	279	150x30	1893	Louis Sands, Salt & Lumber Co., Manistee, Mich.
Str Marshall, Samuel	755	649	198x34	1888	Geo. B. Wilkinson, Superior, Wis.
Str Marston, J. H.	117	75	128x24	1882	J. H. Marston, Appleton, Wis.
Tug Martel Mae	38	26	71x14	1895	N. E. Topel, Pensaukee, Wis.
Bge †Martha	3256	3121	352x44	1896	Pittsburg Steamship Co., Cleveland, O.
Tug Martin, James H.	36	18	62x14	1869	Morris L. Cram, Charlevoix, Mich.
Sch Martin, Jessie	42	40	68x17	1881	C. P. Christiansen, Manitowoc, Wis.
Tug Martin, John	20	12	57x13	1871	Lake Superior Con. & D. Co., Board of Trade, Duluth, Minn.

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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Tug	Martin, Jas. T. ....	47	32	56x15	1896	Great Lakes Towing Co., Cleveland, O.
Sch	Martin, Maria .....	568	540	175x32	1866	J. Dorrington, 62 Spruce st., Detroit.
Str	Martin, S. K. ....	302	240	152x28	1883	M. Sicken, Marine City, Mich.
Str	Maruba .....	2311	1836	290x40	1890	Pittsburg Steamship Co., Cleveland, O.
Sch	Marvin, Selden E. ....	618	587	174x33	1881	Edward Hines Lumber Co., Chicago, Ill.
Str	Mary .....	218	134	137x30	1892	Henry Houghton, Detroit, Mich.
Str	Mary .....	50	25	71x13	1876	John C. Everett, Holland, Mich.
Sch	Mary .....	18	17	53x13	1872	Rosa Claflin, Little Sturgeon, Wis.
Sch	Mary .....	17	16	48x12	1881	J. H. Gillingham, Bay Port, Mich.
Bge	Mary .....	73	73	84x16	1898	Geo. C. Boldt, Alexandria Bay, N. Y.
Tug	Mary and Norman ..	17	11	55x14	1891	F. J. McAlpine, Cleveland, O.
Tug	Mary Bell .....	38	24	58x11	1870	A. F. Furguson, Ontonagon, Mich.
Yt	Mary E. ....	39	24	56x12	1902	D. Jack, Fond du Lac, Wis.
Str	Mary H. ....	208	165	116x29	1886	John Homegardner, Sandusky, O.
Str	Mary L. ....	12	6	38x 9	1903	John Lane, Jr., Kewaunee, Wis.
Sch	Mary L. ....	30	30	62x16	1895	Charles Fitch, Frankfort, Mich.
Gas	Maryette .....	44	41	59x20	1894	A. B. Campbell, Chicago, Ill.
Str	Maryland .....	2419	1892	316x42	1890	O. W. Potter (I. O. T. Co.), Lake Geneva, Wis.
Str	Masaba .....	2431	1992	292x40	1891	Pittsburg Steamship Co., Cleveland, O.
Str	Mascot .....	13	9	42x 9	1902	X. M. Selin, Milwaukee, Wis.
Gyt	Mascotte .....	36	25	59x12	1905	F. A. Hardy, Les Chenaux, Mich.
Str	Mascotte .....	162	75	103x29	1885	Walter S. Lloyd, Duluth, Minn.
Bge	Mason, R. P. ....	155	148	115x24	1867	Sherman Smith, Marinette, Wis.
Sch	Mason, L. M. ....	249	237	120x26	1866	Gus Gunderson, Sheboygan, Wis.
Tug	Mason, W. G. ....	99	54	84x20	1898	Great Lakes Towing Co., Cleveland, O.
Sib	Massasauga .....	119	77	92x17	1894	Erie Dock & Trans. Co., Erie, Pa.
Str	Massachusetts .....	1415	1041	235x37	1882	J. C. Gilchrist, Cleveland, O.
Str	Mataala .....	4840	3604	429x50	1899	Pittsburg Steamship Co., Cleveland, O.
Sch	Matanzas .....	2600	2525	324x45	1899	Jas. Davidson, W. Bay City, Mich.
Str	Mather, Carrie .....	21	14	37x11	1880	W. E. Marshall, Sturgeon Bay, Wis.

Str †Mather, Samuel	1713	1918	308x38	1892	Pittsburg Steamship Co., Cleveland, O.
Str Mather, Samuel	6751	5408	530x60	21906	The Mesaba Steamship Co., Cleveland, O.
Str Mather, Wm. G.	6838	5183	511x60	1905	Cleveland Cliffs Iron Co., Cleveland, O.
Str †Matoa	2311	1836	290x40	1890	Pittsburg Steamship Co., Cleveland, O.
Sch Matthews, Jennie	332	316	138x26	1874	Geo. Hall Coal Co., Ogdensburg, N. Y.
Str †Mauch Chunk	4499	3609	381x50	1901	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str Maud	98	67	95x23	1899	Belknap & Phillips, St. Clair, Mich.
Tug Maud S.	45	33	68x16	1881	James Davidson, W. Bay City, Mich.
Tug Maud S.	33	16	58x15	1881	Lake Superior Dredging Co., Duluth, Minn.
Tug †Maunaloa	4951	4004	430x50	1899	Pittsburg Steamship Co., Cleveland, O.
Str †Maurice W.	....	....	48x12	....	Capt. L. E. Welch, Mackinaw, Mich.
Sly Mawaja	11	11	38x 9	1889	Philip S. Brown, Chicago, Ill.
Tug Maxwell A.	67	46	80x21	1891	Great Lakes Towing Co., Cleveland, O.
Sch Maxwell, A. C.	469	445	166x32	1870	W. E. Donely, Saginaw, Mich.
Str Maxwell, E. G.	88	56	96x20	1893	W. A. Whitney, Superior, Wis.
Tug Maxwell, Wm.	43	21	66x17	1883	C. F. Mischler, Sandusky, O.
Sch May, Lilly	300	285	150x28	1867	Jos. H. Berry, Detroit, Mich.
Str Mayflower	22	15	51x12	1883	Ernest J. Butchart, Duluth, Minn.
Str Mayflower	49	33	73x15	1900	Wm. Wilkins, Oshkosh, Wis.
Str Mayflower	45	31	43x14	1904	A. B. M. Palmer, Buffalo, N. Y.
Str May Queen	26	16	55x14	1904	James D. Lynch, Chicago, Ill.
Tug Maytham	....	40	64x16	1874	James Pryor, Houghton, Mich.
Tug Maytham, E. C.	55	27	67x16	1885	Great Lakes Towing Co., Cleveland, O.
Str †Maytham, Thos.	2329	1972	296x41	1892	J. C. Gilchrist, Cleveland, O.
Tug Maytham, Tom	39	22	63x17	1880	Great Lakes Towing Co., Cleveland, O.
Sch Mead, J. H.	409	388	171x29	1874	O. E. Larsen, Chicago, Ill.
Str Meade, Spencer	17	13	36x10	1883	Daly & Hannan, Ogdensburg, N. Y.
Str Mecosta	1776	1418	281x40	1888	J. C. Gilchrist, Cleveland, O.
Tug Medina	56	28	66x17	1890	Lake Superior Dredging Co., Duluth, Minn.
Sch Mee, John	199	189	122x26	1881	Nels Olsen, Chicago, Ill.
Tug Meister, C. A.	23	11	54x13	1887	A. Obeke, Grand Haven, Mich.
Sch Melbourne	510	484	168x31	1880	Richard Burns, Detroit, Mich.
Tug Meldrum, H. A.	68	47	71x20	1899	Lake Erie Dredging Co., Buffalo, N. Y.
Sch Melitta	68	68	88x20	1881	Martin Coyne, Milwaukee, Wis.
Sch Melvina	270	257	133x27	1863	M. Sicken, Marine City, Mich.



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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Bge	Menominee .....	129		94x32	1889	Lake Sup. Con. & D. Co., Duluth, Minn.
Sch	Menominee .....	455	433	166x33	1883	Ogdensburg Coal Co., Ogdensburg, N. Y.
Tug	Menominee River ..	73	36	78x17	1879	Menominee River Fire Tug Co., Marinette, Wis.
Tug	Mentor .....	29	14	54x14	1868	Northern Dredge Co., Duluth, Minn.
Str	Mentor .....	305	257	118x26	1881	Wm. J. Hunkin, Cleveland, O.
Tug	Mentor .....	22	11	52x15	1882	C. J. Connell, Chicago, Ill.
Bge	Merchant .....	16	8	45x9	1860	Amelia E. Osborne, Duluth, Minn.
Str	Mercur, Fred .....	1224	966	232x35	1882	John Hall, Tonawanda, N. Y.
Str	Merida .....	3320	2389	360x45	1893	J. C. Gilchrist, Cleveland, O.
Tug	Merick, M. F. ....	133	77	92x24	1873	Great Lakes Towing Co., Cleveland, O.
Sly	Merlin .....	21	20	44x14	1888	Bruno V. Nordberg, Milwaukee, Wis.
Str	Merrill, J. R. ....	17	8	54x13	1871	Independent Tug Line, Duluth, Minn.
Sch	Merrill, Julia B....	200	190	125x26	1872	Val. Harms, Chicago, Ill.
Str	Merrimac .....	48	27	78x15	1880	E. D. Carter, Erie, Pa.
Str	Messenger .....	1264	1034	256x38	1888	Wm. Strong, Tonawanda, N. Y.
Str	Meyer, F. A. ....	94	64	89x24	1898	Sophia Meyer, Milwaukee, Wis.
Str	Miami .....	228	191	131x28	1888	Hugh R. Havey, Detroit, Mich.
Str	Michigan .....	6924	5476	530x56	1906	Grand Island Steamship Co., Grand Island, Mich.
C.F.	Michigan Central....	1522	999	263x45	1884	M. C. R. R. Co., Detroit, Mich.
Gap	Midway .....	9	9	45x12	1901	L. W. Newbre, South Haven, Mich.
Sch	Middlesex .....	618	587	186x32	1881	The Marine Trans. Co., Ogdensburg, N. Y.
Bge	Mignon .....	23	15	49x11	1901	C. W. Campbell, Dexter, N. Y.
Str	Mikado .....	287	268	142x33	1895	Cleveland Dredge & Dock Co., Cleveland, O.
Tug	Miles, Paddy .....	33	16	52x14	1891	Harris F. Dunbar, Buffalo, N. Y.
Str	Millinokett .....	6215	4947	524x54	1906	Jas. E. Davidson and H. L. Shaw, Bay City, Mich.
Tug	Miller Bros. ....	9	6	41x12	1900	Geo. E. Dailey. Name changed to Dailey.
Tug	Miller, Dan W....	10	8	39x13	1889	L. S. Goss, Toledo, O. Rebuilt 1901.
Str	Miller, P. P. ....	3845	2858	354x48	1903	J. E. Ball, Buffalo, N. Y.

Str	†Mills, D. O. ....	6598	4850	552x58	1906	Pickands, Mather & Co., Cleveland, O.
Str	Mills, Robert .....	1790	1522	250x40	1888	Red Star Line, Buffalo, N. Y.
Str	†Mills, W. M. ....	7962	6189	605x60	1906	Western Transit Co., North Tonawanda, N. Y.
Str	Milton .....	19	14	53x 9	1876	Joseph B. Ried, Ogdensburg, N. Y.
Tug	Milwaukee .....	82	56	70x23	1889	Conrad Niederman, Milwaukee Wis. Rebuilt 1906.
Str	†Milwaukee .....	3327	2424	325x44	1902	Western Transit Co., Buffalo, N. Y.
Str	†Minch, Anna C. ....	4285	3229	380x50	1903	H. Steinbrenner, Cleveland, O.
Str	†Minch, Philip .....	5865	4471	480x52	1905	Kinsman Trans. Co., H. Steinbrenner, Mngr., Cleveland, O.
Sch	Miner, Franc .....	45	43	68x17	1885	H. Thompson, Manitowoc, Wis.
Tug	Miner, J. L. ....	23	11	53x13	1880	Alex. Ruelle, Jr., Detroit, Mich.
Str	Mineral City .....	57	28	70x16	1895	J. F. McCormick, Detroit, Mich.
Sch	Minerva .....	222	211	125x26	1863	W. Schlosser, Milwaukee, Wis.
Sch	Minerva .....	101	69	91x17	1891	John A. Jordan, Buffalo, N. Y. Out of com.
Sch	Mingoe .....	712	681	198x36	1893	Holland & Graves, Buffalo, N. Y.
Str	†Minneapolis .....	2029	1221	238x42	1897	Mutual Transit Co., Buffalo, N. Y.
Sly	Minnehaha .....	9	9	30x12	1888	Frank P. Crouch, Rochester, N. Y.
Sch	Minnehaha .....	59	56	71x18	1872	Olof Smith, Muskegon, Mich.
Sch	Minnie .....	21	20	71x13	1881	Joseph Challe, Green Bay, Wis.
Gas	Minnie R. ....	10	9	32x 9	1905	John Ries, Sheboygan, Wis.
Sty	Minnie R. ....	9	7	53x11	1904	S. W. Robinson, 4188 Wayne av., Chicago, Ill.
Gas	Minnie S. ....	6	6	35x10	1906	George W. Smith, Charlevoix, Mich.
Sly	Minx .....	28	28	57x18	1889	W. W. Murray, Detroit, Mich.
Str	Mischler, C. F. ....	18	12	51x14	1898	Jacob Pfister, Dunkirk, N. Y.
Str	Mishicott .....	73	69	79x21	1882	Lars H. Jensen, Sturgeon Bay, Wis.
Sly	Mississippi .....	6	5	47x10	1895	John F. Fuller, Alexandria Bay, N. Y.
Sip	†Missouri .....	2434	1484	225x40	1904	Northern Mich. Trans. Co., Chicago, Ill.
Sch	Mist .....	14	14	45x11	1877	Eugene Harrown, Sodus, N. Y.
Sey	Mistral .....	33	31	61x14	1895	D. Lawrence, Chicago, Ill.
Str	†Mitchell, Alfred .....	1751	1550	255x39	1900	Lakeside Steamship Co., Duluth, Minn.
Str	†Mitchell, John .....	4468	3246	440x52	1906	C. W. Elphicke, Chicago, Ill.
Sch	Mitchell, Oliver ....	320	260	136x25	1874	Herbert Hulm, Pt. Huron, Mich.
Str	†Mitchell, Samuel ...	2277	1870	292x40	1892	W. C. Richardson, Mngr., Cleveland, O.
Sch	Miztec .....	777	738	194x34	1890	Spence Bros., Cleveland, O.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Tug	M. & M. ....	30	22	87x16	1890	S. D. Upham, Saugatuck, Mich. Rebuilt 1902.
C.F.	M. M. & N. No. 1..	2933	1755	328x56	1903	M. M. & N. R. R. Co., E. F. Blomeyer, Pres. and Gen. Mgr., Milwaukee, Wis.
Tug	Mocking Bird .....	177	13	123x23	1873	G. A. Tomlinson, Duluth, Minn.
Tug	Mogul .....	23	13	56x13	1889	Buckeye Fish Co., Cleveland, O.
Str	Mohawk .....	2357	1616	292x41	1889	Western Transit Co., Buffalo, N. Y.
Tug	Mohawk .....	12	6	39x11	1889	Cleveland Dredge & Dock Co., Cleveland, O.
Sch	Mohawk .....	137	109	95x17	1887	George A. West, Buffalo, N. Y.
Str	Mohegan .....	1216	1014	225x39	1894	Holland & Graves, Buffalo, N. Y.
Tug	Moiles, Annie .....	146	76	86x16	1867	Benj. Boutelle, Bay City, Mich.
Sly	Mona .....	5	5	26x 9	1892	Herman Rackle, Cleveland, O.
Str	Monarch .....	90	16	90x20	1889	Union Towing & Wreck. Co., Duluth, Minn.
Tug	Monarch .....	146	76	88x22	1889	Great Lakes Towing Co., Cleveland, O.
Sch	Monguagon .....	301	286	136x26	1874	T. Hurley, Board of Trade, Detroit, Mich.
Gvt	Monimia .....	70	60	79x20	1900	Geo. McKesson Brown, Skaneateles, N. Y.
Str	Monitor .....	15	9	48x12	1882	Robert G. Goff, Grand River, O.
Tug	Monitor .....	45	25	67x16	1862	_____ , Ogdensburg, N. Y.
Gas	Monitor .....	12	11	44x10	1906	Anton C. Thorsen, Chicago, Ill.
Tug	Monitor .....	37	18	70x15	1862	St. Lawrence River Power Co., Massena, N. Y. Rebuilt 1906.
Tug	Monk, John E. ....	86	18	66x16	1887	Wm. R. Zollinger, Canton, O.
Str	Monohansett .....	572	450	164x31	1872	Ohio Cooperation Trans. Co., Cleveland, O. Lost.
Sew	Monroe Doctrine .....	446	446	175x25	1897	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Tug	Monson, Thos. ....	25	12	53x14	1888	John Monson, Cleveland, O.
Str	Montana .....	1535	1382	236x36	1872	Great Lakes Eng. Works, Detroit, Mich.
Sch	Montana .....	345	928	138x27	1864	N. Barkell, Marine City, Mich.
Sch	Montauk .....	92	73	98x17	1875	L. D. Norton, Chicago, Ill.
Str	Monteagle .....	1273	1034	213x35	1884	Robt. Downey & Co., Oswego, N. Y.
Bge	Montezuma .....	2722	2710	360x46	1903	James Davidson, W. Bay City, Mich.
Sch	Montgomery, Wm..	101	96	89x22	1889	E. S. Fleury, Isle La Motte, Vt.

Sch	Monticello	316	300	130x26	1870	Shannon & Garey, Saginaw, Mich.
Sch	Montpelier	290	275	138x26	1866	Cecelia Rouvel, Marine City, Mich.
Sch	Moon	97	81	79x16	1905	George Moore, Buffalo, N. Y.
Str	† Moore, John W.	1961	1689	246x40	1890	Frank M. Osborne, Cleveland, O.
Str	Moore, M. D.	59	36	72x31	1880	Winnebago Tug Boat Co, Oshkosh, Wis.
Str	Moore, C. W.	383	294	124x24	1881	A. Booth & Co., Chicago, Ill.
Sch	Moore, H. D.	143	136	103x24	1874	Gustave M. Johnson, Sheboygan, Wis.
Sch	Moore, W. K.	618	588	180x34	1894	Alex. R. Sinclair & Co., Port Huron, Mich.
Bge	Moran, David	372	372	162x36	1901	Kelley Isl. Lime & T. Co., Cleveland, O.
Sch	Moravia	1067	1014	213x39	1888	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Tug	Morford, T. T.	29	57	71x19	1896	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	† Morgan	99	14	65x12	1891	Allen F. Rees, Houghton, Mich.
Str	† Morgan, J. Pierpont	7161	5530	580x58	1906	Pittsburg Steamship Co., Cleveland, O.
Str	Morley, W. B.	1747	1565	240x42	1892	Wallace & Cunningham, Detroit, Mich.
Sch	Morning Star	8	8	41x11	1874	Fabian Willetts, Essexville, Mich.
Str	† Morrell, D. J.	7239	5419	580x58	1906	Cambria Steamship Co., Cleveland, O.
Str	† Morrow, Joe S.	4895	3606	440x52	1906	Joseph Sellwood, Duluth, Minn.
Sch	Morse, James W.	132	105	95x18	1888	Hunter L. Betts, Phoenix, N. Y.
Sch	† Morse, Jay C.	6649	5087	552x58	1906	Pickands, Mather & Co., Cleveland, O.
Tug	Morse, Jay C.	99	69	77x17	1867	Charles S. Hebard, Pequaming, Mich.
Str	† Morse, Sam'l F. B.	4936	4301	456x50	1898	Pittsburg Steamship Co., Cleveland, O.
Tug	Mosher	68	34	64x17	1890	Dunham Towing & Wrecking Co., Chicago, Ill.
Sch	Mott, Richard	267	254	147x26	1854	W. Mueller Co., Chicago, Ill.
Sch	Mowatt, James	523	497	166x33	1884	J. W. Squires, Marine City, Mich.
Str	Mueller	699	455	172x30	1887	Wm. Mueller Co., Marquette Bldg., Chicago, Ill.
Sch	Mueller, Minnie	199	189	120x26	1868	Byron Kettelson, Racine, Wis.
Sly	Mull	13	13	37x14	1884	C. W. Leeming, Chicago, Ill.
Sch	† Mullen, Martin	4635	3471	416x50	1904	Hutchinson & Co., Cleveland, O.
Str	† Muncy	3863	2046	350x46	1902	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Str	† Munro, Josiah G.	6971	5482	550x56	1907	Frontier S. S. Co., No. Tonawanda, N. Y.
Str	† Murphy, Simon J.	4869	3770	435x51	1900	Pittsburg Steamship Co., Cleveland, O.
Stp	Muskegon	1199	912	211x39	1872	Muckegon & Chicago Nav. Co., Muskegon, Mich.
Bge	Mutual	441	441	100x30	1905	Mutual Transit Co., Buffalo, N. Y.
Tug	Myers Boys	27	18	59x14	1903	Herman Myers, Buffalo, N. Y.

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Class.	Vessel.	Gross Ton- nage	Net Ton- nage	Keel Beam	Year Built	Name and Address of Owner or Manager.
Tug	Myra .....	73	37	82x17	1884	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str	Myron .....	676	414	186x32	1888	O. W. Blodgett, W. Bay City, Mich.
Str	Myrtle .....	25	12	52x14	1894	Lake Erie Dredging Co., Buffalo, N. Y.
Str	Myrtle .....	18	13	43x12	1900	Lawrence E. Welch, Cheboygan, Mich.
Sch	Mystery .....	37	37	61x19	1901	Franklin Terrill, Cleveland, O.
Sch	Mystic .....	74	50	86x20	1867	C. H. Strong, Erie, Pa.
Tug	Mystic .....	63	31	76x18	1871	Zenith Dredge Co., Duluth, Minn.
Sch	Mystic Star .....	339	322	137x26	1873	Timothy Hurley, Detroit, Mich.
N						
Ylt	Naiad .....	9	9	31x12	1904	C. E. Soule, Jr., Chicago, Ill.
Sty	Naiad .....	7	5	27x 7	1900	Wm. Coley, Buffalo, N. Y. Out of com.
Gyt	Naiad .....	17	10	65x 8	1903	W. A. Pungs, Detroit, Mich.
Sch	Nancy .....	86	81	93x17	1868	James W. Mock, Port Kent, N. Y.
Gyt	Nanine .....	27	18	68x11	1904	Andrew H. Crawford, St. Joseph, Mich.
Str	Naomi .....	1181	1020	203x35	1881	Crosby Trans. Co., Milwaukee, Wis.
Bge	Napoleon .....	423	423	133x41	1901	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sch	Nashotah .....	94	72	100x18	1877	John Cullnan, Chicago, Ill.
Sch	†Nasmyth, James .....	3422	3162	365x45	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Nau, Geo. D. ....	74	50	82x21	1896	Great Lakes Towing Co., Cleveland, O.
Sch	Nau, Libbie .....	236	198	129x26	1867	Thos. Williamson, Chicago, Ill.
Tug	Navagh, John .....	19	9	46x13	1883	Wm. J. Scott, Oswego, N. Y.
Sty	Navajo .....	42	28	79x12	1896	George C. Sherman, Watertown, N. Y.
Gyt	Navarre .....	20	14	39x14	1901	W. J. Turner, Milwaukee, Wis.
Str	†Neff, Charles S. ....	992	800	200x38	1901	Chas. S. Neff, Milwaukee, Wis.
Str	Neff, M. C. ....	276	210	137x28	1888	Wm. F. Thompson, Duluth, Minn.
Str	Neff, Sidney O. ....	435	388	149x30	1890	Anthony Grelick, Traverse City, Mich.
Sch	Neil, Fanny .....	451	428	162x30	1870	J. U. Karr, Cleveland, O.
Sch	†Neilson, James B. ....	2234	1571	320x42	1892	Pittsburg Steamship Co., Cleveland, O.
Tug	Nelson, George ...	45	22	65x17	1886	R. P. Thompson, Port Huron, Mich.
Str	Nelles, George T. ..	83	42	81x27	1906	Cleveland Dredge & Dock Co., Cleveland, O.

Bge	Nellie	7	7	37x13	1899	Wm. Slate, Alexandria Bay, N. Y.
Gas	Nellie	7	5	27x 8	1894	John Hionrath, Frankfort, Mich.
Sch	Nellie and Annie	37	85	67x17	1872	D. Cleveland, Sturgeon Bay, Wis.
Str	Nellie B.	28	19	56x11	1905	Cook & Brown Lime Co., Oshkosh, Wis.
Str	Nellie H.	25	17	55x11	1900	John W. Jackson, Detroit, Mich.
Str	Neosho	1882	1659	266x41	1888	J. C. Gilchrist, Cleveland, O.
Str	†Neptune	80	80	102x23	1900	—, La Crosse, Wis.
Str	†Neptune	3717	2773	346x48	1901	J. C. Gilchrist, Cleveland, O.
Str	Neshoto	2255	1904	284x42	1889	J. C. Gilchrist, Cleveland, O.
Sch	Nester, Geo.	790	751	206x35	1887	Geo. Nester, Detroit, Mich.
Str	Nettie	11	7	47x 8	1884	H. G. Chandler, Ogdensburg, N. Y.
Sly	Neva	17	16	54x12	1893	Clyde T. Bailey, Chicago, Ill.
Nps	Newell, W. F.	15	10	39x12	1900	Bickley Bros., Sandusky, O.
Sch	Newhouse, Oscar	70	66	78x20	1876	John A. Johnson, Manitowoc, Wis.
Str	New Isl'd Wand'r.	123	84	116x21	1888	Thousand Isl. Stbt. Co., Cape Vincent, N. Y.
Str	New Westminster	34	20	61x16	1890	S. S. Ingelhart, Watertown, N. W.
Sch	Newland, J. B.	157	149	111x26	1870	C. C. Naleid, Racine, Wis.
Bge	Newman	17	17	25x12	1906	A. J. Z. Newman, Cape Vincent, N. Y.
Ltr	Newman, T. F.	855	749	165x36	1902	Great Lakes Towing Co., Cleveland, O.
Str	New York	1921	1751	268x36	1879	Port Huron & Duluth S. S. Co., Port Huron, Mich.
Str	New York	294	131	101x26	1887	Bay Transportation Co., Sandusky, O.
Sch	New York Recorder	121	100	95x17	1892	Eva E. West, Crescent, N. Y.
Sch	New York World..	142	112	95x17	1888	Elizabeth Farrell, Buffalo, N. Y.
Str	News Boy	199	112	104x22	1889	D. J. Clow, Duluth, Minn.
Str	Nia	45	22	72x13	1889	George M. Painc, Oshkosh, Wis.
Str	Niagara	36	24	6x12	1899	J. W. Rattray, Clayton, N. Y.
Str	†Niagara	1951	1483	266x42	1897	John J. Boland, Buffalo, N. Y.
Str	Niagara	213	149	92x22	1882	International Ferry Co., Buffalo, N. Y.
Sch	Niagara	99	71	98x17	1878	Wm. H. Wallace, Joliet, Ill.
Str	Nicaragua	1204	911	241x37	1894	Ogdensburg Coal & Towing Co., Ogdensburg, N. Y.
Str	†Nicholas, I. W.	2624	1857	328x42	1894	Minch Transportation Co., Cleveland, O.
Tug	Nichols, J. G.	111	74	106x22	1889	Thomas B. Cresswell, Saginaw, Mich.
Str	Nick	9	7	36x 9	1901	N. H. Witt, Duluth, Minn.
Str	Nielson, Emma L.	90	85	98x20	1883	David Ferris, Alpena, Mich.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

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CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Nightingale .....	56	37	76x13	1890	H. S. Johnston, Clayton, N. Y.
Str	Niko .....	814	658	189x35	1889	J. J. Warde, 419 Oak st., Chicago, Ill.
Str	Nimick, Alex. ....	1968	1632	298x40	1890	J. C. Gilchrist, Cleveland, O. Lost.
Str	Nimrod .....	11	7	40x10	1887	Lake Champlain Transportation Co., Whitehall, N. Y.
Bge	97 .....	392	392	125x...	1902	Empire Limestone Co., Buffalo, N. Y.
Bge	98 .....	387	387	122x30	1900	Empire Limestone Co., Buffalo, N. Y.
Str	Nipigon .....	626	540	191x34	1883	Marine Trans. Co., Ogdensburg, N. Y.
Str	Nixon, S. F. ....	7	5	33x11	1902	C. F. Mischler, Sandusky, O.
Scb	No. 1 .....	485	485	163x34	1901	The Ludington Woodenware Co., Ludington, Mich.
Stp	No. 1 .....	55	35	60x22	1887	J. W. Candler, Detroit, Mich.
Bge	No. 1 .....	109	109	105x22	1875	H. M. Peyton, Duluth, Minn.
Bge	No. 1 .....	1544	1463	309x44	1895	L. M. C. F. Trans. Co., Milwaukee, Wis.
Scw	No. 1 .....	41	41	.....	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.
Bge	No. 2 .....	104	104	104x23	1902	Cook & Brown Lime Co., Oshkosh, Wis.
Bge	No. 2 .....	253	253	81x60	1890	Napoleon Grignon, Duluth, Minn.
Bge	No. 2 .....	85	85	77x26	1887	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.
Bge	No. 2 .....	693	693	141x36	1906	R. B. Knox, Duluth, Minn.
Bge	No. 2 .....	1548	1462	309x44	1895	L. M. C. F. Trans. Co., Milwaukee, Wis.
Bge	No. 2 .....	33	33	72x14	1895	M. Sullivan, Detroit, Mich.
Bge	No. 3 .....	152	152	135x22	1905	Cook & Brown Lime Co., Oshkosh, Wis.
Bge	No. 3 .....	88	88	101x32	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.
Bge	No. 3 .....	80	80	75x22	1897	M. Sullivan, Detroit, Mich.
Stp	No. 4 .....	58	37	65x22	1883	A. J. Dupius Co., Detroit, Mich.
Bge	No. 4 .....	420	420	109x65	1887	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.
Dge	No. 2 .....	403	337	74x35	1899	Detroit Dredging Co., Ltd., Detroit, Mich.
Scw	No. 5 .....	102	102	.....	1895	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.
Scw	No. 5 .....	85	85	74x19	1894	M. Sullivan, Detroit, Mich.
Bge	No. 6 .....	152	152	91x33	1893	Robt. Smith, Duluth, Minn.
Scw	No. 6 .....	85	85	74x19	1894	M. Sullivan, Detroit, Mich.

Sew	No. 6.....	152	152	91x32	1893	Robt. Smith, Duluth, Minn.	
Bge	No. 8.....	93	1898	101x32	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Sew	No. 8.....	196	1892	111x26	1892	M. Sullivan, Detroit, Mich.	
Sew	No. 9.....	362	1903	109x34	1903	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.	
Sew	No. 10.....	362	1903	109x34	1903	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.	
Sew	No. 11.....	420	1904	125x30	1904	M. Sullivan, Detroit, Mich.	
Bge	No. 13.....	42	1890	43x16	1890	Wm. Osborn, Duluth, Minn.	
Bge	No. 14.....	16	1892	33x14	1892	Charles F. Hartman, Duluth, Minn.	
Sew	No. 14.....	356	1901	120x30	1901	M. Sullivan, Detroit, Mich.	
Sew	No. 15.....	222	1903	101x28	1903	Detroit Dredging Co., Detroit, Mich.	
Str	No. 15, M. F. D. ....	194	1903	106x32	1903	Sherburn M. Becker, Mayor, Milwaukee, Wis.	
Sew	No. 16.....	231	1903	102x28	1903	Detroit Dredging Co., Detroit, Mich.	
Str	No. 17 M. F. D. ....	136	1893	99x24	1893	Sherburn M. Becker, Mayor, Milwaukee, Wis.	
Bge	No. 20.....	108	1898	82x27	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 21.....	161	1898	77x27	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 22.....	167	1898	80x27	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Str	No. 23 M. F. D. ....	133	1896	100x24	1896	Sherburn M. Becker, Mayor, Milwaukee, Wis.	
Bge	No. 23.....	204	1893	115x26	1893	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 24.....	254	1897	118x20	1897	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 25.....	186	1897	125x29	1897	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 26.....	186	1897	125x29	1897	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 27.....	199	1897	123x29	1897	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
							Rebuilt 1899.
Str	No. 29 M. F. D. ....	148	1906	96x25	1906	Sherburn M. Becker, Mayor, Milwaukee, Wis.	
Bge	No. 30.....	229	1898	118x29	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 31.....	229	1898	118x29	1898	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 35.....	89	1883	78x27	1883	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 36.....	89	1883	78x27	1883	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 37.....	70	1871	72x26	1871	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 38.....	72	1884	72x21	1884	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 39.....	65	1892	73x23	1892	Lake Sup. Cont. & Dredg. Co., Duluth, Minn.	
Bge	No. 40.....	185	1891	84x33	1891	Northern Dredge Co., Duluth, Minn.	
							U. S. Engineers' Dept.
Str	Noble, Alfred .....	50	1905	67x15	1905	H. B. Van Dresser, Alexandria Bay, N. Y.	
Str	No-Komis .....	62	1901	93x15	1901	H. B. Van Dresser, Detroit, Mich.	
Bge	Nolan, T. L.....	113	1895	96x24	1895	E. L. Thompson, Detroit, Mich.	

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Scy	Nomad .....	15	15	42x11	1898	C. H. Morgan, Chicago, Ill.
Sch	Nordkyn .....	23	23	50x14	1900	Emilie Redmyr, Duluth, Minn.
Scy	Noreen .....	7	7	30x11	1901	Geo. Robinson, Chicago, Ill.
Gas	Norma .....	12	11	37x 8	1904	J. B. Knudson, Chicago, Ill.
Tug	Norma .....	14	7	49x12	1890	Jerry Driscoll, Erie, Pa.
Sch	Norman .....	20	19	50x13	1883	Harry Cole, Cheboygan, Mich.
Str	Normandie .....	567	430	160x35	1894	Michigan, Ind. & Illinois Line, Chicago.
Str	Normania .....	....	....	440x52	1908	Ashtabula Steamship Co., Ashtabula, O.
Sch	Norris, Alice B. ....	692	589	194x32	1872	E. Hines Lumber Co., Chicago, Ill.
Str	North Land .....	4244	2339	338x44	1895	Northern Steamship Co., Buffalo, N. Y.
Tug	North Star .....	44	27	69x15	1871	Anthony Ferguson, Munising, Mich.
Str	North Star .....	2476	1885	299x40	1889	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Sch	North Star .....	6	5	32x10	1893	Chris. Johnson, Menominee, Mich.
Str	North West .....	4244	2339	358x44	1894	Northern Steamship Co., Buffalo, N. Y.
Str	North Wind .....	2476	1885	299x40	1888	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Bge	Northwestern .....	256	256	97x40	1894	Lake Sup. Con. & D. Co., Duluth, Minn.
Str	Northern King .....	2476	1885	299x40	1888	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Str	Northern Light .....	2476	1885	299x40	1888	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Slp	Northern Light .....	39	39	65x17	1899	Fred F. Pratt, Dexter, N. Y.
Str	Northern Queen .....	2476	1885	299x40	1889	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Str	Northern Wave .....	2476	1885	299x40	1889	Mutual Trans. Co., W. J. Douglas, Supt., Buffalo.
Gas	Norton, B. ....	9	7	29x11	1889	Charles Napier, Lakeside, O.
Str	Norton, D. Z. ....	5667	4250	480x52	1906	W. C. Richardson, Cleveland, O.
Str	Norwalk .....	1007	881	209x38	1891	Shoal Water Trans. Co., Mt. Clemens, Mich.
Str	Nottingham, Wm. ....	4234	3070	376x50	1902	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Ylt	Nourmahol .....	6	6	29x 9	1901	Jay S. Glidden, Chicago, Ill.
Sch	Novelty .....	106	82	97x16	1869	J. M. Foster, Morris, Ill.
Bge	Noyes, J. B. ....	307	293	159x32	1886	Federal Contracting Co., Cleveland, O.
Tug	N. P. ....	42	41	61x19	1883	Phillip Westaway, Duluth, Minn.
Slp	Nyack .....	1188	955	231x33	1878	Crosby Trans. Co., Milwaukee, Wis.
Str	Nyanza .....	2296	1870	280x41	1890	Jas. McBrier, Erie, Pa. Rebuilt 1904.

<b>Str</b> Nydia .....	66					1890	Ray V. Pierce, Buffalo, N. Y.
<b>Str</b> Nye, Harold B. ....	4310	3365				1902	Arthur H. Hawgood, Cleveland, O.
<b>Sly</b> Nymph .....	6	6				1899	William H. Miller, Chicago, Ill.
<b>O</b>							
<b>Str</b> Oades, John .....	1454	1225				1890	Michigan, Indiana & Illinois Line, Chicago, Ill.
<b>Sch</b> Oak Leaf .....	305	375				1865	Sturgeon Bay Stone Co., Sturgeon Bay, Wis.
<b>Sch</b> Oak Leaf .....	93	82				1805	Daniel Monroe, Gibraltar, Mich.
<b>Str</b> Oceanica .....	1490	1241				1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
<b>Str</b> Oclemena .....	149	109				1890	Daly & Hannan, Ogdensburg, N. Y.
<b>Str</b> Odanah .....	4907	3588				1907	Lackawanna Steamship Co., Buffalo, N. Y.
<b>Str</b> Oden .....	95	62				1890	John H. Hanson, Mngr., Duluth, Minn.
<b>Str</b> Ogden, Wm. B. ....	298	283				1857	Wm. Christie, Detroit, Mich.
<b>Str</b> Ogdensburg .....	2329	1673				1906	Western Transit Co., Buffalo, N. Y.
<b>Str</b> Ogemaw .....	594	925				1881	Wm. E. Pierce, W. Bay City, Mich.
<b>Tug</b> Oggel, E. C. ....	25	17				1874	Simon Schacht, Erie, Pa.
<b>Str</b> Oglebay, E. W. ....	3666	3019				1896	J. C. Gilchrist, Cleveland, O.
<b>Tug</b> Ogontz .....	65	44				1892	J. R. Hilborn, Cheboygan, Mich.
<b>Bge</b> Ohio .....	224	198				1890	M. A. Callahan, Cleveland, O.
<b>Str</b> Ohl, Edwin N. ....	5141	3818				....	W. H. Becker, Cleveland, O.
<b>Str</b> Okadus .....	49	33				1897	Mrs. Maude A. Sherman, Port Henry, N. Y.
<b>Dge</b> Old Glory .....	341	341				1894	M. Sullivan, Detroit, Mich.
<b>Sch</b> Olga .....	593	536				1873	A. B. Wolvin, Duluth, Minn.
<b>Sip</b> Olive Branch .....	21	20				1885	E. W. Crapo, Sackett's Harbor, N. Y.
<b>Str</b> Oliver, Henry W. ....	4909	3617				1899	Wilson Transit Co., Cleveland, O.
<b>Sch</b> Olsen, Ida A. ....	201	191				1888	Adam W. Kunna, Alpena, Mich.
<b>Bge</b> Olson .....	103	103				1891	W. A. Whitney, W. Superior, Wis.
<b>Bge</b> Olson .....	115	115				1890	A. E. Osborn, Duluth, Minn.
<b>Scw</b> Olson .....	81	81				1893	Lake Sup. Con. & D. Co., Duluth, Minn.
<b>Str</b> Olympia .....	2065	1723				1889	J. C. Gilchrist, Cleveland, O.
<b>Str</b> Omaha .....	1231	939				1887	S. O. Neff, Milwaukee, Wis.
<b>Bge</b> O Moore, Rory ..	482	482				1897	Hughes Bros. & Bangs, Buffalo, N. Y.
<b>Sly</b> Omega .....	7	7				1895	F. L. Curtiss, Conneaut, O.
<b>Sch</b> Oneida .....	201	190				1857	Anton Hansen, Milwaukee, Wis.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Kel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Tug	Oneida	12	6	39x11	1871	Norbert C. Kropp, Buffalo, N. Y.
Tug	Onen, Anna F.	22	15	55x12	1886	John Beck, Buffalo, N. Y.
Sch	Oneonto	424	403	160x31	1862	H. W. McCormick, Bay City, Mich.
Tug	Onekama	33	26	57x15	1883	E. M. Emory, Mapleton, Mich.
Bge	†117	1310	1265	285x36	1891	Pittsburg Steamship Co., Cleveland, O.
Bge	†118	1310	1265	285x36	1891	
Bge	†119	1310	1265	292x36	1893	
Bge	†120	1310	1265	292x36	1893	
Bge	†121	1310	1265	292x36	1893	
Bge	†122	1310	1265	292x36	1893	
Bge	†123	1310	1265	292x36	1893	
Bge	†124	1310	1265	292x36	1893	
Bge	†125	1310	1265	292x36	1893	
Bge	†126	1310	1265	292x36	1893	
Str	†Onoko	2164	1933	287x38	1882	Omar H. Reeve, Willoughby, O.
Slp	Onward	24	23	48x17	1875	Henry Loewer, Rochester, N. Y.
Str	Oregon	779	557	197x33	1882	J. W. Squires, Marine City, Mich.
Str	Orinoco	2226	1928	295x44	1898	James Davidson, W. Bay City, Mich.
Str	Orion	2283	1590	282x42	1901	Green Bay Vessel Co., Green Bay, Wis. Rebuilt 1903.
Str	†Orizaba	76	49	94x13	1875	D. P. Rumsey, Buffalo, N. Y.
Str	†Orr, Arthur	2745	2117	334x41	1893	Canada-Atlantic Trans. Co., Chicago, Ill.
Str	†Orr, George N.	2872	2280	326x42	1896	Canada-Atlantic Trans. Co., Chicago, Ill.
Tug	Orr, Wm.	31	16	60x14	1888	Thomas J. Smith, Whitehall, N. Y.
Sch	Orton, Minnie E.	431	410	172x31	1884	H. McMortan, Port Huron, Mich.
Tug	Orton, Wm.	73	36	79x19	1871	Gulf Co., Chicago, Ill.
Scw	Osborn	115	115	78x20	1899	A. E. Osborn, Duluth, Minn.
Tug	†Osborn, Chase S.	492	334	128x25	1906	Frank Perry, Sault Ste. Marie, Mich.
Str	†Osborne, F. M.	4309	3377	380x50	1902	J. C. Gilchrist, Cleveland, O.
Tug	Oscoda	21	14	59x13	1897	Penna. Fishing Co., Erie, Pa.
Str	Oscoda	529	345	175x32	1878	Edward Hines Lumber Co., Chicago, Ill.
Str	O'Shanter, Tam	23	11	49x14	1892	Lake Erie Dredging Co., Buffalo, N. Y.
Gyt	Oshkosh	16	11	48x 8	1903	Gabriel Streich, Oshkosh, Wis. See Grafar-son.

<b>Str</b> Oswegatchie .....	32	1907	W. H. Wenborne, Alexandria Bay, N. Y.
<b>Scb</b> Oswego .....	115	1881	Rochester Securities Co., Rochester, N. Y.
			Out of Com.
<b>Str</b> Otis, John .....	301	1864	Detroit River Transit Co., Detroit, Mich.
<b>Str</b> Ottawa .....	94	1884	St. Lawrence River Steamboat Co., Cape Vincent, N. Y.
<b>Sch</b> Ottawa .....	163	1874	Wm. H. Pugh, Racine, Wis.
<b>Str</b> Otter .....	18	1900	Frank A. Passeno, Cheboygan, Mich.
<b>Sch</b> Our Son .....	720	1875	John W. Robinson, N. Tonawanda, N. Y.
<b>Sch</b> Outing .....	15	1892	D. H. Lyon, Ogdensburg, N. Y.
<b>Sch</b> Outing .....	18	1892	A. E. Bonsfield, Bay City, Mich.
<b>Sch</b> Outing .....	33	1892	C. G. Emery, Clayton, N. Y.
<b>Sch</b> Outing .....	43	1881	Walter S. Lloyd, Duluth, Minn.
<b>Sch</b> Outlaw .....	6	1899	F. D. Porter, Chicago, Ill.
<b>Str</b> Owan .....	747	1899	White Star Line, Detroit, Mich.
<b>Str</b> Owan .....	2611	1940	Union Steamboat Line, Buffalo, N. Y.
<b>Tug</b> Owen .....	43	1881	Reid Wrecking Co., Port Huron, Mich.
<b>Str</b> Owen, John .....	1297	1889	J. E. Owens Trans. Co., Detroit, Mich.
<b>Sch</b> Owen, Geo. B. ....	744	1903	Argo Steamship Co., Cleveland, O.
<b>Scb</b> Owens, John .....	129	1893	Edgewater Lighterage Co., Buffalo, N. Y.

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<b>Str</b> Pabst, Fred .....	2430	1929	287x42	1890	W. Division S. S. Co., Milwaukee: D. Sullivan & Co., Mgrs., Chicago, Ill. Lost.
<b>Tug</b> Pacific .....	42	25	63x15	1876	D. E. Stevens, Duluth, Minn.
<b>Str</b> Packer, Harry E. ....	1142	962	225x35	1882	Tonawanda Iron & Steel Co., N. Tonawanda, N. Y.
<b>Sch</b> Packard, Mary E. ....	101	96	96x22	1875	Calvin Pooler, Jr., Sheboygan, Wis.
<b>Sch</b> Page, Marion W. ....	749	712	194x34	1876	Page Transportation Co., Duluth, Minn.
<b>Str</b> Pahlow, Louis .....	366	290	155x30	1862	Edward Hines Lumber Co., Chicago, Ill.
<b>Sch</b> Paige, S. B. ....	47	45	79x20	1863	Nels Nelson, Sturgeon Bay, Wis. Lost.
<b>Str</b> Paime, William A. ....	5798	4435	480x52	1905	Hutchinson & Co., Cleveland, O.
<b>Sch</b> Paisley .....	1046	994	211x35	1893	James Davidson, W. Bay City, Mich.
<b>Tug</b> Pallister .....	34	17	67x15	1873	L. S. Sullivan, Toledo, O. Rebuilt 1900.
<b>Str</b> Palmer, Wm. P. ....	2293	1609	242x42	1900	Pittsburg Steamship Co., Cleveland, O.
<b>Str</b> Palos .....	11	7	57x 8	1896	Mary L. Denmarsh, Mt. Clemens, Mich.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Panay .....	3811	2778	356x50	1902	E. D. Carter, Cleveland, O.
Tug	Pandora .....	13	6	42x12	1889	Daly & Hannan, Ogdensburg, N. Y.
Tug	Pankrantz, Geo. ....	63	39	72x20	1882	G. Pankrantz, Fayetteville, N. Y.
Str	Panther .....	1634	1140	247x35	1890	W. P. Rend, Chicago, Ill.
Yfy	Pappoose .....	15	14	44x12	1888	John T. Mott, Oswego, N. Y.
Str	†Parent, S. N. ....	1640	987	241x41	1903	Gt. Lakes & St. L. Frans. Co., D. T. Helm, Duluth, Minn.
Str	Parks, O. E. ....	302	289	134x27	1891	O. E. Parks, Michigan City, Ind.
Str	†Parks, Sheldon ....	6611	5049	552x56	1906	W. A. & A. H. Hawgood, Cleveland, O.
Str	Parmelee, J. W. ....	30	15	60x16	1883	Mariette O'Neil, Charlevoix, Mich.
Tug	Parnell, Chas. S. ....	30	15	57x14	1881	Cleveland Dredge & Dock Co., Cleveland, O.
Tug	Parnell, Fanny .....	15	9	45x12	1884	Wm. Mueller Co., Chicago, Ill.
Bge	Parsons, John S. ....	203	138	118x21	1891	Frank Phelps, Chaumont, N. Y.
Tug	Partridge, Col. J. N. ....	15	11	36x12	1900	N. Y. State, H. Barnard, Supt., Rochester, N. Y.
Str	Pastime .....	20	13	60x10	1888	T. A. Gillespie, Clayton, N. Y.
Str	Pastime .....	24	17	55x 9	1898	D. C. Palmeter, Berlin, Wis.
Str	Pastime .....	49	29	94x16	1887	F. H. Walker, Detroit, Mich.
Str	†Pathfinder .....	2424	1761	340x42	1892	Pickands, Mather & Co., Cleveland, O.
Str	†Pathfinder .....	159	111	133x18	1896	F. W. Morgan, Chicago, Ill.
Tug	Paul .....	38	19	69x15	1863	Lake Superior Dredging Co., Duluth, Minn.
Gas	Paul .....	12	11	38x10	1906	Michael Jeka, Milwaukee, Wis.
Str	Pawnee .....	639	475	174x32	1888	H. McMorran, Port Huron, Mich.
Str	Pearl .....	5	5	20x11	1904	Charles H. Jessup, Cleveland, O.
Sch	Pearl .....	31	30	65x16	1867	E. J. Fifield, Toledo, O.
Sch	Pearl .....	21	20	48x13	1874	John R. Francis, Escanaba, Mich.
Str	†Peavey, Frank H. ....	5002	3871	430x50	1901	Peavey S. S. Co., Duluth, Minn.
Str	†Peavey, Geo. W. ....	4997	3861	430x50	1901	Peavey S. S. Co., Duluth, Minn.
Str	Peck, E. M. ....	1809	1573	252x40	1888	Calumet Trans. Co., F. W. Smith, Mgr., Milwaukee, Wis.
Tug	Peckham, W. N. ....	17	8	43x13	1892	F. E. Peckham, Buffalo, N. Y.
Str	Peerless See Str. Muskegon.					

Tug Peerless .....	76	50	76x18	1893	Great Lakes Towing Co., Cleveland, O.
Sch Peerless .....	99	73	100x17	1876	W. H. Wallace, Lockport, Ill.
Bge #Pellett, Jas. H. ....	346	296	170x36	1905	Kelley Isl. Lime & T. Co., Cleveland.
Sch Pendell, Dorcas ...	407	389	148x30	1884	M. Sicken, Marine City, Mich.
Sly Penelope .....	51	35	74x13	1892	H. Lee Borden, St. Clair, Mich.
Sch Penniman, George ...	84	80	92x20	1891	C. W. Dutcher, Sebawaing, Mich.
Sch Pennington, B. L. ...	1142	1085	239x38	1889	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Sch Pennsylvania .....	394	377	160x35	1901	Gt. Lakes & St. Law. Trans. Co., Duluth, Minn.
Sch Penobscot .....	3502	218	134x27	1880	U. S. Cooperage Co., Cleveland, O.
Str #Penobscot .....	3502	2864	351x44	1885	The Lake Transit Co., H. L. Shaw, Mgr., Bay City, Mich.
Str Penobscot .....	4077	3530	454x44	....	G. A. Tomlinson, Duluth, Minn.
Str Penland .....	827	617	192x35	1894	W. H. Louit, Grand Haven, Mich.
Str P. Marquette 3 ..	924	678	190x32	1887	{ Mich. Salt Trans. Co., B. P. Barnes, Secy.,
Str P. Marquette 4 ..	941	680	186x34	1888	{ Manistee, Mich.
Str P. Marquette 5 ..	1722	1296	226x38	1890	Barry Bros. Trans. Co., Chicago, Ill.
Str P. Marquette 6 ..	261	192	130x26	1888	Michigan Salt Trans. Co., Manistee, Mich.
Str P. Marquette 14 ..	2531	1655	327x52	1904	Pere Marquette S. S. Co., Detroit, Mich.
C. F. P. Marquette 16 ..	1938	1317	282x53	1895	Pere Marquette S. S. Co., Ludington, Mich.
C. F. P. Marquette 17 ..	2775	1685	338x56	1901	Pere Marquette S. S. Co., Ludington, Mich.
C. F. P. Marquette 18 ..	2909	1722	338x56	1902	Graham & Morton Transp. Co., Chicago, Ill.
C. F. P. Marquette 19 ..	2626	1548	338x56	1903	Pere Marquette S. S. Co., Ludington, Mich.
C. F. P. Marquette 20 ..	2626	1495	338x56	1903	Pere Marquette S. S. Co., Ludington, Mich.
C. F. P. Pere Marquette ..	2443	1634	337x56	1896	Pere Marquette S. S. Co., Ludington, Mich.
Sts Perew, John .....	20	14	14x13	1900	Joseph B. Blake, Buffalo, N. Y.
Tug Perfection .....	70	42	80x20	1892	Dunham Towing & Wrecking Co., Chicago, Ill.
Nas Perhans .....	13	9	35x10	1899	Thos. F. Terrellion, Duluth, Minn.
Slp Permella .....	17	16	45x13	1882	C. G. Emery, Clayton, N. Y.
Str #Perry, Frank .....	496	337	....	1905	Frank Perry, Sault Ste Marie, Mich.
Str Perry, Oliver H. ....	76	44	74x17	1902	Paul North, Lakewood, O.
Str #Perkins, Wm. G. ....	481	320	162x36	1901	Pittsburg Coal Co., Cleveland, O. Rebuilt 1902.
Str #Perkins, G. W. ....	6406	4922	549x56	1905	Pittsburg Steamship Co., Cleveland.
Tug Persons, Sons, C. ...	49	34	....	1899	D. H. Persons, Buffalo, N. Y.
Sch Peshtigo .....	817	590	203x34	1869	F. B. Chesbrough, Emerson, Mich.
Str Peshtigo .....	633	573	201x34	1889	O. W. Blodgett, Bay City, Mich.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

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Sch	Peterson, A. M.....	631	599	190x33	1874	Warde Trans. Co., 419 Oak st., Chicago, Ill.
Str	Petoskey .....	770	544	171x30	1838	Chicago-South Haven Line, Chicago.
Tug	Petrel .....	34	23	52x14	1895	Philip Mago, Tonawanda, N. Y.
Sch	Petrel .....	78	74	90x23	1864	Martin Nelson, Sheboygan, Wis.
Gyt	Petrel .....	33	32	56x15	1906	Ernest Venn, Detroit, Mich.
Str	Pewaukee .....	310	228	135x26	1873	Leatham & Smith, Sturgeon Bay, Wis.
Str	Phantom .....	8	8	38x11	1884	Name changed to Tomah.
Str	Pharamond .....	27	16	50x11	1902	William H. Briggs, Rochester, N. Y.
Str	Phelps, F. D. ....	83	57	90x20	1903	Frank Phelps, Chaumont, N. Y.
Str	Phenix .....	1294	1035	240x38	1884	J. J. Rardon, Chicago, Ill.
Cbt	Philo, C. H.....	119	119	95x17	1886	Frank Jennings, New York City.
Str	Phippis, Henry ...	7240	5450	600x58	1906	Pittsburg Steamship Co., Cleveland, O.
Str	Phoebe .....	9	5	35x 8	1889	Great Lakes Construction Co., Buffalo, N. Y.
Str	Phoenix .....	15	10	54x 8	1902	Henry B. Lothrop, Detroit, Mich.
Str	Pickands, H. S....	625	505	181x32	1884	Teagan Bros., Detroit, Mich.
Bge	Picton Island 1..	57	57	61x22	1906	Charles G. Emory, Clayton, N. Y.
Bge	Picton Island 2..	32	32	50x18	1906	Charles G. Emory, Clayton, N. Y.
Sch	Pierce, A. C. ....	30	29	54x15	1887	E. M. Carson, Manistique, Mich.
Tug	Pierce, Mary E. ...	21	11	48x14	1871	Oscar Hurkett, Au Sable, Mich.
Str	Pilgrim .....	299	256	119x23	1888	C. W. Thompson, Mngr., St. Clair, Mich.
Sch	Pilot .....	9	8	26x12	1889	John Hendy, Sault Ste. Marie, Mich.
Gyt	Pilot .....	22	15	61x10	1901	F. A. Magel, St. Louis, Mo.
Str	Pine Lake.....	988	274	137x28	1895	Charlevoix Lumber Co., Charlevoix, Mich.
Str	Pinola .....	25	13	59x13	1894	The Standard Contracting Co., Cleveland, O.
Str	Pioneer .....	1123	774	226x35	1892	Cleveland-Cliffs Iron Co., Cleveland, O.
Tug	Pioneer .....	13	9	38x10	1904	Harry Nicholls, Charlevoix, Mich.
Str	Plankinton, John ..	1821	1461	267x40	1889	Egan Estate, A. C. Helm, Mngr., Chicago, Ill.
Sch	Planet .....	499	441	198x33	1872	C. E. Benham, Perry-Payne Bldg, Cleveland, O.
Tug	Planet .....	24	12	55x14	1903	Wm. Wilson, Erie, Pa.
Str	Pleasure .....	489	293	128x51	1894	D. B. I. & W. F. Co., Detroit, Mich.
Spd	Plietz, Wm. F.....	29	17	52x14	1902	Martin Leidheiser, Vermillion, O.
Sch	Plow Boy .....	41	38	61x16	1875	Anthony Dandron, Brest, Mich.

Str	Plow Boy	.....	114	72	77x21	1887 Dornier Boutin Fish Co., Ashland, Wis. Rebuilt 1905.
Str	Plumb, Henry	.....	92	46	79x18	1874 D. H. Lyon, Ogdensburg, N. Y.
Sch	Plymouth	.....	776	739	213x35	1884 Gray Trans. Co., Cleveland, O.
Str	†Poe, Gen. O. M.	.....	5619	4144	470x50	1900 Pittsburgh Steamship Co., Cleveland, O.
Str	†Pollock, W. G.	.....	4872	3585	420x52	1906 W. H. Becker, Cleveland, O.
Scb	Pollux	.....	118	97	95x17	1880 Thos. M. Ryan, Buffalo, N. Y.
Sly	Polly	.....	16	15	45x14	1902 Angus McCleod, Sodus Point.
Bge	†Polynesia	.....	3562	3243	375x46	1897 James Corrigan, Cleveland, O.
Sch	Pomeroy, S. B.	.....	406	386	150x33	1856 Capt. Bell, Marine City, Mich.
Str	†Pontiac	.....	2298	1788	300x41	1880 Grand Island Steamship Co., Grand Island, Mich.
Str	†Pope, E. C.	.....	2637	2064	317x42	1891 The Lake Transit Co., H. L. Shaw, Mgr., Bay City, Mich.
Bge	Portage	.....	126	126	93x29	1888 Lake Sup. Con. & D. Co., Duluth, Minn.
Str	Portage	.....	1020	940	238x34	1875 L. S. Sullivan, Toledo. Rebuilt 1906.
Bge	Port Huron	.....	151	151	91x30	1891 Lake Sup. Con. & D. Co., Duluth, Minn.
Scb	Porto Lapidum	....	722	722	198x38	1903 Leatham & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Str	Post Boy	.....	11	5	36x11	1894 Geo. M. Swan, Buffalo, N. Y.
Tug	Potawatomie	.....	18	11	48x11	1871 Geo. H. Waters, Jr., Frankfort, Mich.
Sch	Potter, Agnes L.	.....	279	265	133x27	1870 Cleveland Dredge & Dock Co., Cleveland, O.
Tug	Potter, Geo. R.	.....	133	66	.....	1887 Buffalo Fire Dept., Buffalo, N. Y.
Dge	Powell, L. G.	.....	143	121	105x27	1903 The Fishback Plaster Co., Toledo, O.
Sly	Prairie	.....	7	7	36x 9	1899 L. A. Naves, Chicago, Ill.
Str	Pratt, Pascal P.	.....	1927	1642	272x40	1888 Lake Erie Trans. Co., Cleveland, O.
Str	Prentice, James H.	.....	535	398	167x32	1885 A. C. Soper, Chicago, Ill.
Str	†Presque Isle	.....	4578	3570	407x50	1898 Pr. Isle Trans. Co. (Cleve. Cliffs), Cleveland, O.
Str	Presto	.....	22	15	72x 9	1897 Loyal L. Smith, care Waldorf-Astoria Hotel, New York.
Str	Pridgeon, John Jr.	.....	1173	836	221x36	1875 John J. Boland, Buffalo, N. Y. Rebuilt 1902
Str	Prince, F. H.	.....	2047	1547	240x42	1890 Rutland Trans. Co., Ogdensburg, N. Y.
Str	†Princeton	.....	5125	3820	454x50	1900 Pittsburgh Steamship Co., Cleveland, O.
Tug	Prindiville, R.	.....	24	12	60x13	1863 J. Everett, Chicago, Ill.
Str	Pringle, John C.	.....	474	389	173x30	1880 Burns Bros., Detroit, Mich.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

Class.	Vessel.	Gross Ton- nage	Net Ton- nage	Keel Beam	Year Built	Name and Address of Owner or Manager.
Scy	†Priscilla	75	71	85x22	1885	Geo. H. Worthington, Cleveland, O.
Tug	Proctor, Wm. L.	117	58	104x20	1883	Geo. Hall Coal Co., Ogdensburg, N. Y.
Tug	Prodigy	80	54	82x21	1897	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	Progress	1596	1309	255x37	1880	Edward Gillen, Racine, Wis.
Str	Promise	473	295	119x38	1892	D. B. I. & W. F. Co., Detroit, Mich.
Tug	Protection	60	30	77x15	1878	Dunham Towing & Wrecking Co., Chicago, Ill.
Str	Protection	161	135	.....	1888	Wm. Hendrickson, Sandusky, O. Rebuilt 1904.
Bge	Protective Policy	339	339	119x28	1896	H. T. Dunbar, Buffalo, N. Y.
Str	Protector	176	119	101x21	1905	The Lake Champlain Transportation Co., Whitehall, N. Y.
Stp	Pryor, Ethel J.	18	9	45x12	1890	James Pryor, Houghton, Mich.
Siy	Pryun	56	38	88x16	1900	Addie W. Chesebrough, Bay City, Mich.
Str	Pueblo	1349	1054	225x36	1891	F. W. Smith, Mngr., Milwaukee, Wis.
Tug	Pullar, Jim	39	19	61x15	1894	J. A. Jacobs, Washburn, Wis.
Tug	Pup	13	6	45x11	1884	Sarah Rogers, Saugatuck, Mich.
Tug	Puritan	20	10	59x13	1892	John P. Harrington, Erie, Pa.
Str	†Puritan	10	5	70x19	1894	David D. Hazen, Buffalo, N. Y.
Str	†Puritan	1547	1052	233x40	1901	Graham & Morton Trans. Co., Chicago, Ill.
Scy	Puritana	23	15	58x14	1900	S. O. Richardson, Toledo, O.

Q

Sch	Quayle, Thomas	722	650	182x32	1872	M. A. Bradley, Cleveland, O. Rebuilt 1902.
Scb	Queen	135	108	93x17	1889	Wm. J. Warwick, Buffalo, N. Y.
Tug	Queen	29	19	50x14	1897	Geo. A. Boldt, Alexandria Bay, N. Y.
Str	Queen Anne	14	9	44x 9	1895	Jas. Stokan, Cheboygan, Mich.
Str	†Queen City	3979	3198	401x48	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Queen City	24	17	53x 5	1906	John Kraft, Buffalo, N. Y.
Sch	Quickstep	282	268	140x25	1874	Oley Groh, Sheboygan, Wis.
Tug	Quickstep	10	5	41x 5	1869	John J. Sullivan, Detroit, Mich.
Tug	Quinn, Jas. A.	42	21	62x16	1881	Dunham Towing & Wrecking Co., Chicago, Ill.

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<b>Tug Raber, Violet H...</b>	<b>50</b>	<b>25</b>	<b>81x16</b>	<b>1891</b>	Lake Superior Con. & D. Co., Board of Trade, Duluth, Minn.
<b>Sch Racine .....</b>	<b>534</b>	<b>507</b>	<b>194x30</b>	<b>1867</b>	Cleveland Dredge & Dock Co., Cleveland, O.
<b>Sch Raesser, Lydia E..</b>	<b>131</b>	<b>125</b>	<b>106x22</b>	<b>1847</b>	Frank J. Benish, Menominee, Mich.
<b>Tug Rainbow .....</b>	<b>15</b>	<b>7</b>	<b>46x12</b>	<b>1894</b>	Simon Schacht, Erie, Pa.
<b>Str Raleigh .....</b>	<b>1205</b>	<b>1104</b>	<b>227x34</b>	<b>1871</b>	Henry Wineman, Jr., Detroit, Mich.
<b>Tug Ralph .....</b>	<b>42</b>	<b>21</b>	<b>60x15</b>	<b>1874</b>	F. W. Gilchrist, Alpena, Mich.
<b>Str Ralph, P. J. ....</b>	<b>964</b>	<b>658</b>	<b>211x37</b>	<b>1889</b>	Calbick Trans. Co., Chicago, Ill.
<b>Sch Ralston, Jane .....</b>	<b>260</b>	<b>247</b>	<b>137x26</b>	<b>1866</b>	Charles Osborne, Marine City, Mich.
<b>Str †Ramapo .....</b>	<b>3314</b>	<b>2499</b>	<b>319x44</b>	<b>1896</b>	Union Steamboat Line, Buffalo, N. Y. Rebuilt 1903.
<b>Bge Rambler .....</b>	<b>193</b>	<b>193</b>	<b>110x25</b>	<b>1887</b>	Henry P. Burgard, Buffalo, N. Y.
<b>Str †Ramona .....</b>	<b>57</b>	<b>28</b>	<b>95x13</b>	<b>1886</b>	Thousand Island Sibt. Co., Cape Vincent, N. Y.
<b>Str Rand .....</b>	<b>191</b>	<b>147</b>	<b>119x25</b>	<b>1886</b>	J. C. Miller, Marine City, Mich.
<b>Str Ranney, Rufus P..</b>	<b>1627</b>	<b>1233</b>	<b>247x36</b>	<b>1881</b>	M. A. Bradley, Cleveland, O. Rebuilt 1902.
<b>Sch Ransom, Harvey ...</b>	<b>28</b>	<b>27</b>	<b>59x16</b>	<b>1887</b>	Erick Lunde, Washington Island, Wis.
<b>Str Rapids .....</b>	<b>219</b>	<b>149</b>	<b>134x28</b>	<b>1905</b>	H. T. Heald, Grand Rapids, Mich.
<b>Str Rappahannock .....</b>	<b>2380</b>	<b>1911</b>	<b>308x42</b>	<b>1895</b>	James Davidson, W. Bay City, Mich.
<b>Str Raser, George B....</b>	<b>554</b>	<b>401</b>	<b>169x36</b>	<b>1896</b>	W. H. Havens, Ashtabula, O. Rebuilt 1901.
<b>Sch Rawson, Levi .....</b>	<b>361</b>	<b>343</b>	<b>144x30</b>	<b>1861</b>	M. Sicken, Mngr., Marine City, Mich.
<b>Str Ray, Lulu M.....</b>	<b>27</b>	<b>17</b>	<b>56x12</b>	<b>1888</b>	Chas. R. Maples, Duluth, Minn.
<b>Str †Ream, Norman B. 7053</b>	<b>5444</b>	<b>580x58</b>	<b>1906</b>	Pittsburg Steamship Co., Cleveland, Ohio.	
<b>Sew Reciprocity .....</b>	<b>446</b>	<b>446</b>	<b>175x25</b>	<b>1897</b>	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
<b>Str Reckinger, P. ....</b>	<b>42</b>	<b>21</b>	<b>61x14</b>	<b>1892</b>	H. Van Ellis, Port Washington, Wis.
<b>Str Record, E. P.....</b>	<b>398</b>	<b>232</b>	<b>123x30</b>	<b>1902</b>	Kelley Island L. & T. Co., Cleveland.
<b>Tug †Record .....</b>	<b>59</b>	<b>30</b>	<b>68x17</b>	<b>1884</b>	Great Lakes Towing Co., Cleveland, O.
<b>Str Redfield, Jr. ....</b>	<b>30</b>	<b>20</b>	<b>46x12</b>	<b>1904</b>	W. O. Jones, Oshkosh, Wis.
<b>Sch Redfern, C. E....</b>	<b>680</b>	<b>646</b>	<b>181x35</b>	<b>1890</b>	Edward Hines Lumber Co., Chicago, Ill.
<b>Sch Redington, Nellie..</b>	<b>816</b>	<b>775</b>	<b>205x33</b>	<b>1872</b>	O. W. Blodgett, Bay City, Mich.
<b>Sch Red, White &amp; Blue</b>	<b>38</b>	<b>36</b>	<b>70x16</b>	<b>1887</b>	F. Wallace, Au Gres, Mich.
<b>Str †Reed, J. H. ....</b>	<b>5598</b>	<b>4125</b>	<b>448x52</b>	<b>1903</b>	Provident Steamship Co., A. B. Wolvin, Mngr., Duluth, Minn.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Rees, W. D.	3760	2992	396x45	1896	Wilson Transit Co., Cleveland, O.
Bge	Reid, Conrad	288	274	132x29	1881	Wm. J. Hunkin, Cleveland, O.
Str	†Reis, Wm. E.	4748	3154	416x50	1900	Mitchell & Co., Cleveland, O.
Str	Reliable	97	44	91x22	1880	John A. Miller, Marine City, Mich.
Str	Reliance	480	323	146x30	1880	H. D. Clow, Mng. Owner, Duluth, Minn.
Gas	Reliance	15	9	37x9	1905	Joseph Haas, South Manitou, Mich.
Str	Relief	34	20	71x16	1878	Herman Schultz, Chicago, Ill.
Bge	Relief	159	151	.....	1891	Mary E. Hingston, Buffalo, N. Y.
Str	Remba	58	34	74x15	1886	David Cottrell, Chicago, Ill.
Str	Rend, Wm. P.	2923	1697	287x40	1888	W. P. Rend, Chicago, Ill.
Str	†Rensselaer	5124	3827	454x50	1900	Pittsburg Steamship Co., Cleveland, O.
Str	†Republic	2991	2052	291x40	1890	Wm. Kelly, Vulcan, Mich.
Ltr	†Rescue	894	790	180x36	1904	Great Lakes Towing Co., Cleveland, O.
Tug	Rescue	37	18	60x15	1885	Daly & Hannan, Ogdensburg, N. Y.
Tug	Rescue	894	790	180x37	1904	Union Towing & Wrecking Co., Duluth, Minn.
Sly	Restless	7	7	31x12	1889	L. H. Ware, Cleveland, O.
Str	Result	17	17	39x16	1898	Ralph L. Fuller, Cleveland, O.
Sch	Result	11	6	37x12	1896	Louis Cole, Cheboygan, Mich.
Sch	Resumption	293	278	143x29	1879	R. Knox, Ford River, Wis.
Str	†Reynolds, S. C.	1895	1604	255x40	1890	Lake Erie Trans. Co. (A. W. Colton), Toledo, O.
Gas	Rhine	10	8	38x10	1904	H. G. Hanrath, Frankfort, Mich.
Str	Rhooan	16	12	57x12	1895	Claude Thompson, Boyne City, Mich.
Str	Rhoda Emily	570	416	166x32	1884	Saginaw Bay Trans. Co., Cleveland, O.
Sch	Rhodes, D. P.	937	891	217x35	1871	Thomas McGowan, Jr., Detroit, Mich.
Str	†Rhodes, Joshua W.	4871	3586	420x52	1906	W. H. Becker, Cleveland, O.
Str	Rhodes, Robert R.	1576	1286	246x40	1887	J. C. Gilchrist, Cleveland, O.
Str	†Rhodes, W. Castle.	2176	1340	242x42	1900	Mutual Transit Co., Buffalo, N. Y.
Str	Rice, E. E.	38	20	61x15	1888	Jos. Dewhurst, Huron, O.
Str	Rice, Owen	16	14	47x14	1903	Herbert J. Knight, Erie, Pa.
Tug	Richards, Wm.	19	9	44x12	1873	David L. Wilson, Montague, Mich. Out of Com.

Str	Richard B.	63	75x17	1901	Commissioners of Lincoln Park, Chicago.
Str	Richardson, W. C.	2841	354x48	1902	W. C. Richardson, Cleveland, O.
Str	Richardson, W. W.	22	13	1884	R. H. Rathbun, Duluth, Minn.
Ltr	Richmond, H. A.	208	198	120x25	1861 Ben Jacobson, Chicago, Ill.
Str	Riddle, J. Q.	6832	5376	532x56	1906 Milwaukee Steamship Co., Cleveland.
Str	Rietz, Chas.	245	168	127x26	1872 M. A. Callahan, Cleveland, O.
Str	Ringleader	96	89	108x18	1889 A. A. Holmes, Redwood, N. Y.
Tug	Riter, Chas. M.	32	16	54x16	1876 Lake Superior Con. & D. Co., Board of Trade, Duluth, Minn.
Slp	Rival	10	10	41x13	1897 C. G. Emery, Clayton, N. Y.
Tug	River Queen	82	41	82x17	1866 M. D. Olds, Cheboygan, Mich.
Str	Riverside	124	90	84x19	1892 F. Dana, Alexandria Bay, N. Y.
Slp	Roann	39	39	70x10	1899 La Crosse, Wis.
Gyt	Roamer	9	9	31x11	1904 Hugh C. Young, Chicago, Ill.
Str	Robbins, F. L.	4222	3036	380x50	1905 W. H. Becker, Cleveland, O.
Sch	Roberts, E. C.	273	261	138x31	1856 Michigan Salt Co., Milwaukee, Wis.
Str	Roberts, John	355	288	133x31	1899 Milwaukee Sand & Gravel Co., Milwaukee, Wis. Formerly City of Rossford.
Tug	Robinson, Duncan	37	23	62x15	1884 Zenith Dredge Co., Duluth, Minn.
Sch	Rob Roy	97	92	98x22	1868 Claus Weberg, Marinette, Wis.
Str	Rochester	4571	3855	408x50	1906 Western Transit Co., Buffalo, N. Y.
Str	Rochester. See Str	Sydney C. McLouth.			
Str	Rockefeller, Frank	2759	2013	366x45	1896 Pittsburg Steamship Co., Cleveland, O.
Tug	Rocket	39	27	62x15	1901 William Tallman, Erie, Pa.
Sch	Roebling, John A.	4693	4447	436x50	1898 Pittsburg Steamship Co., Cleveland, O.
Tug	Rogers, George	64	33	77x18	1889 J. A. Moore, Dollar Bay, Wis. Lost.
Str	Rogers, H. H.	7053	5444	580x58	1906 Pittsburg Steamship Co., Cleveland, Ohio.
Str	Rogers, W. A.	6574	5101	525x55	1905 Tonawanda Iron & Steel Co., N. Tonawanda, N. Y.
Cbt	Rogers, W. S. & A. L.	106	101	96x17	1889 Herbert Pashby, Burlington, Vt.
Tug	Rollar, Wm.	28	14	56x15	1882 The Standard Contracting Co., Cleveland, O.
Str	Roma	15	10	57x13	1900 Lewis Streiber, Erie, Pa.
Str	Roman	2348	1875	296x40	1891 Pittsburg Steamship Co., Cleveland, O.
Str	Rome	1847	1721	265x36	1870 Western Transit Co., Buffalo, N. Y.
Sch	Romeo	298	286	140x26	1867 Fred W. Smith et al., Buffalo, N. Y.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Romulus .....	9	9	33x10	1897	Remmer Eilers, No. Muskegon, Mich.
Tug	Rooney, Wm. E. ....	11	5	40x12	1873	L. S. Sullivan, Toledo, O. Rebuilt 1902.
Str	†Roosevelt, Theo. ....	1955	1330	289x40	1906	Indiana Trans. Co., Clark st. bridge, Chicago.
						Ill.
Str	Root, H. A. ....	198	161	114x24	1886	Cream City Sand Co., Milwaukee, Wis.
Tug	Rooth, W. A. ....	48	32	81x15	1871	Great Lakes Towing Co., Cleveland, O. Rebuilt 1885.
Sch	Rosa Belle .....	131	125	100x26	1863	N. P. Peterson, Sheboygan, Wis.
Tug	Rosaline .....	38	19	61x16	1889	Great Lakes Dredge & Dock Co., Chicago.
Gyt	Rosamond. See Vanadis.					
Str	Rose, D. F. ....	258	203	140x26	1868	Grace E. Robertson, Manistique, Mich.
Str	Rose, Fanny M. ..	33	17	75x14	1893	Mary Rice, Muskegon, Mich.
Sch	Rose, May .....	24	23	57x16	1871	Bennie Conchey, Erin, Mich.
Sch	Rosebud .....	44	41	77x18	1887	August Larson, Sheboygan, Wis.
Str	Ross, Myrtie M. ....	156	108	113x20	1890	H. McMoran, Port Huron, Mich. Rebuilt 1902.
Gas	Rough Rider ...	10	8	38x10	1904	Albert Fairchild, Frankfort, Mich.
Str	Roumania .....	1837	1441	273x39	1887	W. C. Richardson, Cleveland, O. N. Y.
Sch	Rousseau .....	112	92	95x17	1887	James J. Pendergast, Buffalo, N. Y.
Slp	Rover .....	7	7	36x11	1897	John Hayward, Alexandria Bay, N. Y.
Str	Rowena .....	69	47	96x16	1905	D. P. McQueen, Schenectady, N. Y.
Str	Rowira .....	35	24	56x14	1900	Ranney Fish Co., Cleveland, O.
Tug	Roy, R. T. ....	23	15	54x14	1891	I. Lincoln, Alpena, Mich.
Tug	Ruby .....	17	12	51x14	1889	John Smith, Manistee, Mich.
Tug	Ruby .....	33	16	54x14	1886	Great Lakes Dredge & Dock Co., Chicago.
Str	Rudolph, Wm. ....	267	209	145x23	1880	A. F. Temple, Muskegon, Mich.
Str	Rudge, John .....	1216	950	216x35	1888	Geo. Hall Coal Co., Ogdensburg, N. Y.
Tug	Rumbell, J. E. ....	138	85	99x19	1883	Isaac Zess, Sault Ste. Marie, Mich.
Str	†Russell, Geo. H. ....	4978	3770	462x50	1905	J. C. Gilchrist, Cleveland, O.
Bge	Russel .....	20	20	30x18	1895	Candler Dock & Bridge Co., Detroit, Mich.
Tug	Runnells, D. N. ....	37	18	58x15	1890	Great Lakes Towing Co., Cleveland, O.
Str	Runnells, H. E. ....	889	629	178x35	1893	Spence Bros., Cleveland, O.

Str †Russia .....	1501	1334	231x35	1872	Port Huron & Duluth S. S. Co., Port Huron, Mich.
Sch Russian .....	305	290	137x26	1862	Cleveland Dredge & Dock Co., Cleveland, O.
Str Rust, David W. ....	884	606	201x33	1873	L. S. Sullivan, Toledo, O.
Str Ruth .....	70	48	64x15	1902	Geo. Moon, Buffalo, N. Y.
Str Rutland .....	2321	1668	242x43	1906	Western Transit Co., Buffalo, N. Y.
Sch Ryan .....	126	88	93x17	1890	Charles C. Ryan, Buffalo, N. Y. Formerly Geo. W. Denmers.
Str Ryan, Chas. C. ....	28	14	52x14	1881	Gus Kitzinger, Manistee, Mich.
Str Ryerson, Carrie A. ..	72	44	60x17	1883	William Brenen, Muskegon, Mich.

# S

Str Sachem .....	739	542	187x33	1889	Argo Steamship Co., Cleveland, O.
Str Sacramento .....	2380	1903	308x42	1895	James Davidson, W. Bay City, Mich.
Sly Sadie .....	14	13	39x11	1883	Arthur K. Pringle, Chicago, Ill.
Gas Sadie E. ....	7	7	30x12	1883	Palmer Skinner, Buffalo, N. Y.
Sch †Sagamore .....	3250	2926	369x45	1898	Huron Barge Co. (P. M. & Co.), Cleveland, O.
Stc Saginaw .....	508	430	194x28	1866	F. H. Reibenach, Alpena, Mich.
Str †Sahara .....	5785	4497	474x52	1904	G. A. Tomlinson, Duluth, Minn.
Str Sailor Boy .....	162	111	91x24	1891	The Hart Trans. Co., Sturgeon Bay, Wis.
Bge St. Louis .....	599	599	.....	1864	Atlantic Coast S. S. Co., Niagara Falls, N. Y.
Str †Salt Lake City....	6530	4843	552x56	1907	Holmes S. S. Co., W. A. Hawgood, Mgr., Cleveland, O.
Scy Sallie .....	20	20	54x14	1899	Geo. P. Savidge, Spring Lake, Mich.
Str Samoa .....	1096	836	205x34	1880	Teagan Bros., Detroit, Mich.
Str Sanders, W. B. ....	103	45	85x21	1905	Kelley Isl. Lime & T. Co., Cleveland.
Sch Sands, Isabella ....	230	219	134x29	1874	Louis Sands, Salt & Lumber Co., Manistee, Mich.
Bge Sandy Hook ....	266	266	132x32	1893	Benjamin L. Cowles, Buffalo, N. Y.
Tug Sanford, G. D., Jr. ..	51	30	76x15	1882	Iohanna DeGurgus, Ludington, Mich.
Str Sanilac .....	310	209	161x27	1867	Mary H. Flood, Chicago, Ill.
Slp Santa Maria .....	7	7	30x12	1893	C. S. Osborn, Sault Ste. Marie, Mich.
Sch Santiago .....	2600	2525	324x45	1899	Pickands, Mather & Co., Agts., Cleveland, O.
Sty Sapho .....	45	13	76x15	1897	W. B. Ullmann, Chicago, Ill.

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Str	Sapphire .....	120	60	118x19	1888	J. J. Albright, Buffalo, N. Y.
Str	Sappho .....	223	153	106x31	1883	D. B. I. & W. Ferry Co., Detroit, Mich.
Str	†Saranac .....	2669	1939	290x40	1890	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str	Saranac .....	7	5	44x9	1890	Champlain Trans. Co., Burlington, Vt.
Tug	Sardinia .....	35	13	61x17	1903	Jas. Davidson, W. Bay City, Mich.
Str	Satellite .....	27	14	77x12	1887	Theo. M. Leonard, Rouse Point, N. Y.
Tug	Satisfaction .....	47	23	64x16	1894	Anderson & Smith, Marinette, Wis.
Str	†Saturn .....	3717	2772	346x48	1901	J. C. Gilchrist, Cleveland, O.
Str	Saugatuck .....	228	147	110x22	1887	Chgo. Saugatuck & Douglas Trans. Co., John F. Henry, Mngr., Saugatuck, Mich.
Tug	Saugatuck .....	88	77	84x17	1875	John P. Nagle, Toledo, O.
Str	†Saunders, E. N. ....	4305	3366	380x50	1902	J. C. Gilchrist, Cleveland, O.
Tug	Savidge, Hunter ...	20	13	50x13	1866	Louis Sands, Salt & Lumber Co., Manistee, Mich.
Str	Sawyer, Philetus ...	449	308	152x31	1884	South Side Lumber Co., Chicago, Ill.
Str	Sawyer, W. H. ....	746	581	201x37	1890	Edward Hines Lumber Co., Chicago, Ill.
Str	†Saxon .....	2348	1875	296x40	1890	Pittsburg Steamship Co., Cleveland, O.
Str	†Saxona .....	4716	3441	416x50	1903	G. A. Tomlinson, Duluth, Minn.
Str	Say When .....	87	43	122x14	1888	W. J. White, Cleveland, O.
Tug	Schaefer, Phillip G. ...	29	20	64x14	1903	James S. Law, Cleveland, O.
Tug	†Scheneck, S. C. ....	126	63	90x21	1890	Great Lakes Towing Co., Cleveland, O.
Str	Schlesinger, Ferd. ....	2607	2081	305x43	1891	Wisconsin S. S. Co., D. Vance, Mngr., Milwaukee, Wis.
Sch	Schlitx Globe .....	20	15	34x10	1896	D. C. Hill, Chicago, Ill.
Tug	Schoellkopf, J. F. ....	28	19	50x14	1904	Arthur Schoellkopf, Niagara Falls, N. Y.
Str	Schoolcraft .....	745	595	180x34	1884	Geo. Nester, Detroit, Mich.
Str	Schoeder, John .....	372	267	154x29	1890	Gus Kitzinger, Manistee, Mich.
Str	†Schuck, R. E. ....	4713	3384	416x50	1903	J. C. Gilchrist, Cleveland, O.
Sch	Schnette, John .....	269	256	137x26	1875	John O. Johnson, Toledo, O.
Tug	Schultz, L. A. ....	31	15	58x15	1883	F. Schramm, Milwaukee, Wis.
Str	†Schuykill .....	2205	1819	274x40	1892	E. & W. T. Co., Anchor Line, Buffalo, N. Y.

Sly	Scorpion	14	39x13	1894	Chas. E. Shank, Erie, Pa.
Gyt	Scorpion	10	35x12	1891	R. H. Parkinson, Chicago, Ill.
Sch	Scotia	903	210x84	1873	Gray Trans. Co., Cleveland, O.
Stp	Scott, H. C.	59	76x16	1904	C. A. Peterson, Omro, Wis.
Tug	Scott, Mary	25	50x15	1892	Wm. Turgeon, Ashland, Wis.
Tug	Scott, W. L.	54	67x17	1890	Great Lakes Towing Co., Cleveland, O.
Sch	Scoville, E.	102	90x24	1861	Evan Neilson, Muskegon, Mich.
Str	Scranton	2015	200x39	1888	Buffalo Transit Co., Buffalo, N. Y.
Str	Scranton, Walter	4803	416x50	1901	Mitchell & Co., Cleveland, O.
Sty	Sea Bird	21	50x11	1900	Nellie F. Perkins, Grand Haven, Mich.
	Sea Foam	46	34x14	1904	M. H. Alworth, Duluth, Minn.
Sch	Sea Foam	40	61x17	1878	Edgar A. Hovey, Sackett Harbor, N. Y.
Sty	Sea Fox	74	101x16	1895	John Dupee, Oconomowoc, Wis.
Str	Sea Fox	15	46x13	1893	John Monson, Cleveland, O.
Sc	Sea Gem	16	38x12	1906	Benjamin Parmelee, Waukegan, Ill.
Str	Sea Gull	22	45x15	1897	W. C. Danforth, Ludington, Mich.
Sch	Seaman	181	120x25	1848	M. O. Parker, Milwaukee, Wis.
Str	Search Light	95	94x19	1884	O. E. Wilbur, Charlevoix, Mich.
Tug	Sea Wing	89	69x16	1899	C. F. Mischler, Sandusky, O.
Sch	Selkirk	386	132x25	1862	D. C. Stephens, Cleveland.
Str	Sellwood, Joseph	6741	525x55	1906	Mitchell & Co., Cleveland, O.
Str	Senator	4048	410x45	1896	Wolverine Steamship Co., Detroit, Mich.
Sch	Senator	332	136x26	1863	Lentham & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Str	Seneca	2669	290x40	1889	Lehigh Valley Trans. Co., Buffalo, N. Y.
Tug	Seymour, Geo. D.	76	90x17	1875	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str	Seymour, R. A., Jr.	131	110x22	1882	William J. Gorman and E. E. Dove, Chicago.
Sly	Shamrock	7	31x12	1890	Earl Van Scott, Cleveland, O.
Str	Sharples, John	1615	255x41	1903	Great Lakes & St. Lawrence Trans. Co., D. T. Helm, Duluth, Minn.
Str	Shaughnessey,				
	Sir Thomas	6276	480x52	1906	C. O. Jenkins, Cleveland.
Str	Shaughraun	45	60x15	1883	Harris T. Dunbar, Buffalo, N. Y.
Str	Shaun Rhue	79	65x17	1891	Harris T. Dunbar, Buffalo, N. Y.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Shaw, Howard L.	4901	3802	435x51	1900	Pittsburgh Steamship Co., Cleveland, O.
Bge	Shawmut	250	235	.....	1889	E. L. Hedstrom, Buffalo, N. Y.
Sch	Shawnee	571	543	178x33	1873	Huron & Erie Transportation Co., Detroit, Mich.
Str	Shedde, J. H.	6924	5476	530x56	1906	Grand Island Steamship Co., Grand Island, Mich.
Stp	Sheboygan	623	461	208x50	1869	Goodrich Trans. Co., Duluth, Minn.
Tug	Sheboygan	62	31	65x17	1886	Great Lakes Towing Co., Cleveland, O.
Tug	Shelby, Edward	27	13	56x15	1882	Geo. H. Breyman, Toledo, O.
Tug	Sheldon Bros.	13	11	44x13	1900	Charles Pickett, Erie, Pa.
Tug	Sheldon, Cora A.	54	27	65x16	1883	Joseph Croze, Houghton, Mich.
Str	Shenandoah	2251	1880	308x43	1894	James Davidson, West Bay City, Mich.
Tug	†Sheridan, Phil.	35	17	58x14	1889	Harris T. Dunbar, Buffalo, N. Y.
Str	Sheriffs, Jim	634	561	182x32	1883	J. O. Nessen & Co., Manistee, Mich.
Str	Sherman, G. R.	92	62	75x30	1890	Port Henry Steam Ferry Co., Port Henry, N. Y.
Bge	Sherman, Walter A	519	493	163x32	1882	Geo. Hall Coal Co., Ogdensburg, N. Y.
Str	†Sherwin, John	7159	5744	514x54	1906	Gilchrist Trans. Co., Cleveland.
Str	Shipman, Allie E.	39	28	61x14	1892	Chas. H. Greiling, Green Bay, Wis.
Str	Shores, Adella	734	566	195x37	1894	Sidney O. Neff, Milwaukee, Wis.
Str	Shores, E. A. Jr.	519	396	176x34	1892	Cleveland Transportation Co., Cleveland, O.
Str	Shrigley, James H.	459	364	171x31	1881	Huron & Erie Transportation Co., Detroit, Mich.
Str	Sicken, M.	212	168	128x26	1884	M. Sicken, Marine City, Mich.
Str	†Sidonie	13	7	44x12	1897	Minnie Kadam, Sheboygan, Wis.
Str	†Siemens, Sir Wm.	4344	3293	413x48	1896	Pittsburgh Steamship Co., Cleveland, O.
Str	†Sierra	4846	4287	438x52	1906	Toledo Ship Building Co., Toledo, O.
Sch	Sigel, Gen. Frantz	316	301	136x25	1862	W. J. Curtis, Avon, O.
Str	†Sigma	158	100	135x21	1883	George L. Craig, Toledo, O.
Str	†Sill, Henry S.	4720	3282	416x50	1903	J. C. Gilchrist, Cleveland, O.
Tug	†Sili, Henry S.	85	17	62x15	1875	Capt. W. G. Harrow, Detroit, Mich.
Sch	Silver Chief	10	10	37x13	1898	Sophia Bird, Cheboygan, Mich.

Sty	Silver Dollar	9	7	44x 9	1886	Arthur O. Lewis, Middleport, N. Y.
Sir	Silver King	48	33	63x13	1893	F. Martinek, Chicago, Ill.
Tug	Silver Spray	33	22	68x16	1898	John Lay, Sandusky, O.
Tug	Silver Spray	40	28	83x16	1889	John Kitting, Toledo. Rebuilt 1903.
Tug	Silver Spray	38	26	54x15	1895	Albert F. Peterman, Munising, Mich.
Sip	Silver Spray	95	64	109x21	1894	O. E. Wilbur, Charlevoix, Mich.
Sch	Sinmons, Rouse	205	195	123x27	1868	M. J. Bonner, St. James, Mich.
Sch	Simpson, Lucia A.	227	215	127x28	1875	Chas. J. Sanderson, Milwaukee, Wis.
Sir	Simpson, W. H.	49	27	63x19	1889	Sophia Meyer, Milwaukee, Wis.
Str	Sinaloa	4539	3503	416x50	1903	G. A. Tomlinson, Duluth, Minn.
Tug	Sioux	52	26	71x16	1883	Conrad Niederman, Milwaukee, Wis.
Sir	Sir Arthur	18	19	59x12	1892	W. Habel, St. Joseph, Mich.
Sly	Siren	16	10	50x12	1896	A. T. Stewart, Chicago, Ill.
Sir	Sirius	22	15	62x12	1885	F. J. Hyde, Massena, N. Y. Rebuilt 1900.
Gas	Sikama	19	13	49x12	1904	Honduras Development Co., Detroit, Mich.
Sly	Skater	92	63	89x23	1890	Chequamegon Bay Trans. Co., Ashland, Wis.
Gap	Skidoo	18	12	37x15	1906	Lewis Deryas, Alexandria Bay, N. Y.
Sip	Skip	10	10	37x11	1899	Frederick Colby, et al., Macatawa Park, Mich.
Sch	Slauson, Minnie	317	271	150x29	1867	Capt. Lars Larson, Manitowoc, Wis.
Sch	Sloan, Samuel M.	15	7	41x12	1882	Geo. A. Walker, Buffalo, N. Y.
Sch	Smeaton, John	5049	4725	458x50	1899	Pittsburg Steamship Co., Cleveland, O.
Tug	Smith	192	130	127x21	1881	Leatham & Smith, Sturgeon Bay, Wis. Rebuilt 1906. See Albert J. Wright.
Sch	Smith, Angus	580	551	182x32	1871	J. C. Gilchrist, Cleveland, O.
Sir	Smith, Annie L.	43	23	61x15	1868	Eli Jacques, Duluth, Minn.
Sip	Smith, Augusta	14	13	46x14	1867	J. Carnegie, Clayton, N. Y.
Str	Smith, B. L.	4271	3017	880x50	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Sir	Smith, Chas. O.	63	39	74x17	1863	Peninsular B. & L. Co., Sault Ste. Marie, Mich.
Scb	Smith, Davis & Co.	131	110	95x17	1886	Thos. F. Gaffney, Buffalo, N. Y.
Str	Smith, Edward	700	523	194x32	1883	Guy White, Buffalo, N. Y.
Str	Smith, F. E.	32	16	67x16	1891	James H. Normand, Cleveland, O.
Str	Smith, Henry B.	6631	5229	525x55	1906	W. A. Hawgood, Cleveland, O.
Str	Smith, H. W.	4662	3415	414x50	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Tug	Smith, Janie E.	50	34	72x16	1903	Frank E. Nettleton, Dunkirk, N. Y.
Tug	Smith, John	14	10	50x11	1876	Sophia M. Dahmer, Dunkirk, N. Y.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

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Str	Smith, Lyman C....	6200	4916	525x55	1905	U. S. Trans. Co., Cleveland, O.
Tug	Smith, Leatham D.	46	23	70x15	1890	Great Lakes Towing Co., Cleveland, O.
Str	Smith, L. C.....	4744	4439	414x50	1902	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Tug	Smith, L. P.....	73	36	67x18	1894	Cleveland Dredge & Dock Co., Cleveland, O.
Str	Smith, M. C.....	4281	3016	380x50	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Tug	Smith, Peter .....	161	109	116x18	1863	Frank Perry, Sault Ste. Marie, Mich.
Tug	Smith, Sarah .....	45	30	75x17	1883	Robert L. Osborne, Duluth, Minn.
Str	Smith, Sydney T..	70	20	85x18	1895	M. Sullivan, Detroit, Mich.
Str	Smith, W. L.....	4319	3039	380x50	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Str	Snook, T. W.....	168	124	113x24	1873	Harris W. Baker, Detroit, Mich.
Str	Snyder, Wm. P..	6939	5492	530x56	1906	Shenango Steamship Co., Cleveland.
Str	Socapa .....	6272	4026	504x54	1905	G. A. Tomlinson, Duluth, Minn.
Str	Sonoma .....	4539	3503	416x50	1903	G. A. Tomlinson, Duluth, Minn.
Str	Sonora .....	24	12	58x 9	1893	Otto Scherer, Detroit, Mich.
Str	Sonora .....	3914	2850	353x48	1902	G. A. Tomlinson, Duluth, Minn.
Str	Soo City .....	670	438	171x33	1888	Indiana Trans. Co., Clark av. bridge, Chicago.
Str	Soper, Albert .....	349	268	143x23	1881	Capt. Gus Clausen et al., Milwaukee, Wis.
Str	Southern Cross ..	25	12	56x14	1894	Margaret Pooler, Kewaunee, Wis.
Sch	Spademan, Chas. .	306	291	134x25	1873	M. Sicken, Marine City, Mich.
Tug	Spalden .....	29	14	46x13	1889	Harris T. Dunbar, Buffalo, N. Y.
Str	Sparta .....	1017	819	202x34	1874	D. W. Mills, 5 Carter st., Cleveland.
Str	Spaulding, Jesse ..	1043	856	220x40	1899	Charles F. Spaulding, Chicago, Ill.
Str	Spencer, George ..	1360	1082	230x37	1884	Tonawanda I. & S. Co., N. Tonawanda, N. Y. Stranded.
Tug	Spencer, Mollie .....	53	26	72x16	1869	Dunham Towing & Wrecking Co., Chicago.
Str	Spokane .....	2356	1974	311x38	1886	Wilson Transit Co., Cleveland, O.
Tug	Spok .....	45	22	56x14	1873	Geo. R. Cartier, Ludington, Mich.
Str	Sport .....	12	7	48x 7	1885	George Heffernan, Grand Rapids, Mich. Out of Com.
Str	Sport .....	72	36	84x16	1881	E. P. Wilber, S. Bethlehem, Pa.
Sch	Sprague, H. C. Rebuilt.					See Str Reliance.

Tug \$Sprinkle, J. R. ....	44	23	58x16	1894	Great Lakes Towing Co., Cleveland, O.
Tug Sprudel .....	28	20	62x14	1891	John H. Werner, Lorain, O. Rebuilt 1906.
Str \$Squire, F. B. ....	4582	3694	410x50	1903	Jenkins Steamship Co., Cleveland, O.
Str \$Stackhouse, P. ....	6171	4919	504x54	1905	Mahoning S. S. Co., J. S. Ashley, Mgr., Cleveland, land.
Sch Stafford .....	199	189	112x25	1868	Winaud Schlosser, Milwaukee, Wis.
Str Stafford, Alice .....	843	485	202x32	1882	Name changed to Manistee.
Str Stafford, W. R. ....	686	398	184x34	1886	Hope Trans. Co., J. A. Francombe, Mgr., Detroit, Mich.
Bge S. O. Co. No. 86. ....	1102	999	208x38	1899	Lysander Davidson, Cleveland, O.
Bge Stanton, E. M. ....	152	144	115x25	1866	Empire Limestone Co., Buffalo, N. Y.
Str \$Stanton, John .....	6129	4668	504x54	1905	Hutchinson & Co., Cleveland, O.
Tug \$Stanwood, F. H. ....	18	10	58x14	1883	E. H. Whitney, W. Superior, Wis.
Gay Star .....	14	9	51x 9	1902	Edna W. Troop, Detroit, Mich.
Str Stark, Alwine .....	10	7	36x 7	1888	M. J. Stark, Buffalo, N. Y.
Tug Starke .....	49	27	65x19	1889	Sophia Meyer, Milwaukee, Wis.
Str Starke, C. H. ....	317	266	149x30	1881	Paul H. Hoeft, Rogers City, Mich.
Sch Starlight .....	30	28	66x17	1869	Rose Sterling, St. Clair, Mich.
Gas Starlight .....	30	14	60x14	1897	Henry W. Van Dyke, Escanaba, Mich.
Sir \$Starucca .....	3398	2067	325x44	1897	Union Steamboat Line, Buffalo, N. Y. Rebuilt 1903.
Str \$State of New York. ....	807	564	203x32	1883	Cleveland & Buffalo Transit Co., Cleveland, O.
Str \$State of Ohio .....	1222	917	225x32	1880	Cleveland & Buffalo Transit Co., Cleveland, O.
Nas \$Stave Island .....	41	17	69x13	1903	Fred H. Wells, Burlington, Vt.
Str \$Stearn, Abraham .....	6657	5140	535x55	1906	W. A. Hawgood, Cleveland, O.
Tug \$Stedman, Oscar C. ....	68	37	73x19	1896	Great Lakes Towing Co., Cleveland, O.
Str \$Steel King .....	4308	3366	380x50	1902	J. C. Gilchrist, Cleveland, O.
Str \$Steinbrenner, Henry .....	4719	3955	420x50	1901	Henry Steinbrenner, Cleveland, O.
Str Stella .....	9	6	55x10	1899	Samuel S. Fifield, Ashland, Wis.
Str Stella B. ....	6	5	40x 8	1899	Nelson Bachana, Bayfield, Wis.
Sch Steller, Andrew ....	132	106	96x17	1880	J. H. Steller, Buffalo, N. Y.
Tug Stephenson, Bob ...	18	9	50x13	1872	S. A. Carrow, Cheboygan, Mich.
Str \$Stephenson, Geo. ....	4563	3502	407x49	1896	Pittsburg Steamship Co., Cleveland, O.
Sch Stephenson, Isaac .	461	438	163x32	1879	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str Stephenson, I. W. ...	639	501	172x35	1895	Isaac Stephenson, Marinette, Wis.

FROM THE BLUE BOOK OF AMERICAN SHIPPING. COPYRIGHTED, 1908.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Stephenson, S. M...	546	426	166x33	1880	Muskegon Steam Barge Co., James Sanford, Mgr., Muskegon, Mich.
Tug	Stevens, Ida M...	22	12	44x11	1869	Roy E. Alberts, Muskegon, Mich.
Sch	Stevens, J. H. ....	94	89	100x21	1866	J. Olson, Sheboygan, Wis.
Str	Stevenson, Russel	28	20		1906	James Stevenson, Cedarville, Mich.
Tug	Stevenson, Wm. ...	34	23	50x14	1887	Lake Erie Dredging Co., Buffalo, N. Y.
Sch	Stewart, A. ....	533	511	172x32	1889	Tonawanda Barge Line, N. Tonawanda, N. Y.
Str	Stewart, A. E. ....	3943	3049	356x50	1902	Stewart Transp. Co., Detroit, Mich.
Tug	Stewart, Edward ..	15	7	45x13	1876	Chas McDonald, Marinette, Wis.
Str	Stewart, Rhoda ...	447	356	138x29	1873	Cleveland Dredge & Dock Co., Cleveland, O.
Ltr	Stewart, W. W. ...	294	279	160x26	1880	Great Lakes Towing Co., Cleveland, O.
Tug	Stickney, George ..	12	6	40x11	1880	John Wolmsa et al., Grand Haven, Mich.
Tug	Stickney, Nat .....	77	41	80x18	1880	Lake Sup. Con. & D. Co., Duluth, Minn.
Str	Stirling, John R....	1302	1157	223x34	1871	Northern Michigan Transp. Co., Chicago, Ill.
C.F.	St. Ignace .....	1199	600	215x52	1888	Mackinac Trans. Co., St. Ignace, Mich.
Str	St. Joseph .....	304	171	146x29	1867	N. Y. O. & W. R. R., New York.
Sch	St. Joseph .....	165	157	109x25	1864	M. Sicken, Marine City, Mich.
Str	St. Lawrence .....	312	188	154x41	1884	T. I. S. B. Co., Cape Vincent, N. Y.
Sch	St. Louis .....	985	795	193x31	1864	International Paper Co., Niagara Falls, N. Y.
C.F.	St. Marie .....	1357	678	288x53	1893	Mackinac Trans. Co., St. Ignace, Mich.
Str	St. Paul .....	2029	1221	238x42	1897	Mutual Transit Co., Buffalo, N. Y.
Tug	Stocker, Hugh .....	30	21	35x15	1904	Penn Fishing Co., Erie, Pa.
Str	Stone, Amasa .....	6282	4930	525x55	1905	Pickands, Mather & Co., Cleveland, O.
Tug	Stone, Ella G. ....	42	21	69x15	1881	Lake Sup. Con. & D. Co., Duluth, Minn.
Str	Stone, George .....	1841	1501	270x40	1893	M. A. Bradley, Cleveland, O.
Sch	Stranger .....	135	104	94x17	1881	G. W. Hall, Lockport, N. Y.
Str	Street, Charles A...	512	450	165x31	1888	J. B. Lozen, New Baltimore, Mich.
Tug	Stricker, Chas. P. ...	13	7	48x12	1892	C. A. Mattison, Vermillion, O.
Sch	Striker, Geo. H. ...	31	31	.....	1899	Frank F. Fix, Buffalo, N. Y.
Tug	Strohn, C. B. ....	25	16	49x14	1888	M. R. Pickands, Cheboygan, Mich.
Sch	Sturges, Geo. ....	439	417	173x31	1872	J. P. Godman, Chicago, Ill.

Tug Success	26	13	59x14	1862	R. F. Harman, Chicago, Ill.
Bge Sucker	41	41	61x20	1891	Geo. R. King, Duluth, Minn.
Scy Sue Don	18	15	43x14	1904	Mathew S. Molony, Detroit, Mich.
Str Suit, Joseph C.	318	241	110x23	1884	Hill Steamboat Line, Kenosha, Wis.
Tug Sullivan, Hannah	28	14	59x14	1877	Mekellog Marski, Chicago, Ill.
Str Sullivan, Roger C.	51	35	64x17	1903	Chic. & Gt. Lakes Dredg. & Dock Co., Chicago.
Str Sultana	3914	2850	362x48	1902	G. A. Tomlinson, Duluth, Minn.
Tug Sunbeam	53	33	68x17	1891	Geo. J. Farnsworth, Nahma, Mich.
Str Sunbeam	51	42	64x12	1888	Cline, Rusco & Leppen, Sodus Point, N. Y.
Gyt Sunflower	28	25	51x12	1904	James Young, Chicago, Ill.
Tug Sunol	62	31	73x19	1892	Great Lakes Towing Co., Cleveland, O.
Sch Sunrise	26	24	60x14	1888	Martin Marine, Milwaukee, Wis.
Sch Sunshine	389	370	159x29	1854	F. W. Rider, Detroit, Mich.
Str Superior	4544	3845	382x50	1905	Western Transit Co., Buffalo, N. Y.
Stp Superior	251	167	98x29	1890	Pittsburg Steamship Co., Cleveland, O.
Tug Superior	70	48	68x20	1896	Great Lakes Towing Co., Cleveland, O.
Bge Superior	94	94	96x28	1897	Cleveland Dredge & Dock Co., Cleveland, O.
Str Superior City	4795	3693	429x50	1898	Pittsburg Steamship Co., Cleveland, O.
Sty Surf	390	154	177x24	....	C. K. G. Billings, Chicago, Ill.
Str Surprise	17	8	45x13	1889	C. M. Howell, Toledo, O.
Str Survey	190	145	86x20	1891	U. S. Government, Washington, D. C.
Scy Susie	9	9	35x16	1887	Chas. F. Friend, Lorain, O.
Tug Susie B.	19	9	60x14	1892	C. F. Mischler, Cleveland, O.
Str Susquehanna	2781	2347	302x40	1886	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Tug Sutton, E. W., Jr.	33	32	.....	1902	E. W. Sutton, Jr., Buffalo, N. Y.
Str Swain, V.	955	816	187x33	1874	J. C. Gilchrist, Cleveland, O.
Str Swallow	37	25	68x10	1896	J. S. Stevens, Oshkosh, Wis.
Sip Swallow	15	14	44x12	1888	S. H. Slate, Clayton, N. Y.
Str Swan	94	61	78x19	1888	Merchants Lighterage Co., Chicago, Ill.
Str Swansea	19	9	77x17	1887	Albert C. Majo, Duluth, Minn.
Sch Sweetheart	528	512	175x32	1867	James O'Connor, Tonawanda, N. Y.
F. B. Swenie, D. J.	143	71	23x10	1886	Chicago Fire Dept., Chicago, Ill.
Sch Sydney	129	111	96x17	1880	Thos. M. Ryan, Buffalo, N. Y.
Stp Syph	28	18	72x13	1882	V. A. Chapman, Muskegon, Mich.
Str Sylvania	6272	4826	504x54	1905	G. A. Tomlinson, Duluth, Minn.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

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Str	Sylvia .....	25	17	51x14	1902	Albert Kalmbach, Sturgeon Bay, Wis.
Str	#Syracuse .....	1917	1677	267x38	1884	Western Transit Co., Buffalo, N. Y.
Str	Syracuse .....	85	81	79x22	1897	Mulinix Bros., Toledo, O.
<b>T</b>						
Sch	Taber, Horace .....	268	255	138x27	1867	Antoinette Swensen, Chicago, Ill.
Str	Tacoma .....	1879	1609	260x38	1881	J. C. Gilchrist, Cleveland, O.
Tug	Tacoma .....	76	39	73x18	1894	C. J. Connell, Chicago, Ill.
Sch	Tailor .....	298	286	140x26	1867	Hiram H. Smith, Buffalo, N. Y.
Sch	Talcott M. ....	96	68	113x16	1876	L. A. Ferguson, Chicago, Ill.
Str	Tampa .....	1972	1632	291x41	1890	Henry Wineman, Jr., Detroit, Mich. Rebuilt 1899.
Str	Tanner, O. B. ....	137	91	89x 4	1901	Edgewater Lighterage Co., Buffalo, N. Y.
Gyt	Tannis .....	7	6	33x 8	1899	J. B. Berryman, Chicago, Ill.
Sly	Tarpon .....	26	24	50x14	1892	Horace J. Conley, Green Bay, Wis.
Sey	Tartar .....	12	12	40x12	1899	Frank Dant, Chicago, Ill.
Str	#Tashmoo .....	1344	766	302x37	1900	White Star Line, Detroit, Mich.
Str	Taylor, Helen .....	82	55	56x30	1894	M. O. Clucky, Pentwater, Mich.
Sch	Taylor, J. V. ....	199	189	125x26	1867	E. M. Ellingson, Chicago, Ill.
Tug	Taylor, J. V. ....	40	20	60x15	1881	Harry Nicholls, Charlevoix, Mich.
Str	#Taylor, Moses .....	4772	3401	416x50	1902	Mitchell & Co., Cleveland, O.
Tug	Taylor, W. S. ....	258	258	.....	1907	Nau Tug Line, Green Bay, Wis.
Bge	T. & C. ....	258	258	.....	1902	Geo. W. Miller, Buffalo, N. Y.
Tug	Teed, Bob .....	45	22	64x18	1883	N. F. Hugo, Duluth, Minn.
Tug	Telephone .....	19	9	50x12	1880	Colon McRae, Grand Marais, Mich.
Str	Tempest .....	412	341	159x30	1872	Thos. S. Lester, Marine City, Mich.
Str	Tempest .....	369	260	137x27	1876	H. L. Wilton, Detroit, Mich.
Str	Tempest .....	14	7	40x11	1884	Mary Jeffery, Duluth, Minn.
Sch	Tempest .....	67	40	87x13	1892	Wm. Samse, Napoleon, O.
Str	Tessler .....	57	40	70x16	1905	Chas. Tessler, Milwaukee, Wis.
Tug	Tessler, A. A. C. ...	30	15	58x13	1898	Delos H. Smith, Port Washington, Wis.
Sch	Teutonia .....	594	564	177x32	1881	M. Sicken, Marine City, Mich.

Bgc	The Limit.....	713	591	164x37	1907	W. A. Whitney, Mgr., Superior, Wis.
Gyt	Thelma .....	26	17	57x10	1894	Com. Will Huntington, Elyria, O.
Tug	The Moose.....			88x20	1907	W. A. Whitney, Mgr., Superior, Wis.
Sir	Theora .....	24	12	62x14	1893	John Parker, Marquette, Mich.
Sir	Theresa .....	37	20	59x11	1901	William Faber, Oshkosh, Wis.
Sir	Thetis .....	407	277	132x30	1892	Hiram W. Sibley, Rochester, N. Y.
Tug	The Tramp .....	41	25	60x15	1890	Jno. Hawley, Ontonagon, Mich.
Sir	Thew, W. P.....	206	168	132x24	1884	Hugh R. Havey, Detroit, Mich.
Tug	Third Michigan ...	40	20	66x14	1869	Louis Sands Salt & Lumber Co., Manistee, Mich.
Sir	Thistle .....	49	28	80x14	1887	E. P. Vilas, Milwaukee, Wis.
Stp	Thistle .....	127	84	124x25	1894	Oshkosh Steamboat Co., Oshkosh, Wis.
Sch	Thomas, Robert ...	16	14	37x14	1897	Maggie Moffat, Alpena, Mich.
Sch	Thomas, Sidney G. .	320	2912	866x44	1897	Pittsburg Steamship Co., Cleveland, O.
Sch	Thompson, A. W. .	2279	2125	300x42	1901	Calumet Trans. Co., J. S. Ashley, Mgr., Cleveland.
Tug	Thompson, C. D. .	91	45	81x19	1893	Great Lakes Towing Co., Cleveland, O.
Sir	Thompson, E. E. .	276	198	125x27	1875	W. N. Kelley, Traverse City, Mich.
Sch	Thompson, Essie M	50	48	65x17	1890	Hans Hanson, Egg Harbor, Wis.
Sir	Thompson, Smith,	4786	4227	458x52	1907	L. C. Smith Transit Co., Syracuse, N. Y.
Tug	Thompson, Thomas.	19	10	49x13	1873	Wilber Anderson, Marinette, Wis.
Sly	Thora .....	18	17	39x15	1879	Henry G. Breed, Buffalo, N. Y.
Sir	Thor Bjorn .....	8	8	33x11	1903	Ole Amundson, Chicago, Ill.
Sir	Three Brothers ...	583	444	162x31	1888	James A. White, North Tonawanda, N. Y.
Sch	Three Brothers ...	349	332	136x25	1873	Julian Porter, Lorain, O.
Sch	Three Sisters .....	47	41	69x19	1901	Ole T. Olsen, Marinette, Wis.
Sir	Thyra .....	36	26	79x11	1887	Mrs. Alice E. Fenwick, Buffalo, N. Y.
Sir	Tia, Juana .....	16	10	63x11	1901	W. M. Gilbert, Neenah, Wis.
Stp	Ticonderoga .....	892	344	212x32	1906	Champlain Trans. Co., Burlington, Vt.
Sch	Tilden, S. J. ....	613	582	172x32	1869	Edward Hines Lumber Co., Chicago, Ill.
Sir	Tioga .....	2320	1684	285x38	1885	Union Steamboat Line, Buffalo, N. Y. Rebuilt 1903.
Sir	Tionesta .....	4239	2652	340x45	1903	Anchor Line, Buffalo, N. Y.
Dge	Tipperary Boy ...	379	291	100x32	1901	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Sir	Tisdale, H. G. ....	81	40	94x18	1872	Lake Champlain T. Co., Whitehall, N. Y.
Sir	Titania .....	73	46	98x14	1875	Fix Bros., Buffalo, N. Y.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Togo	33	33	54x20	1905	Robert L. Osborn, Duluth, Minn.
Sch	Tokio	1385	1316	222x38	1889	Henry Wineman, Jr., Detroit, Mich.
Str	Toltec	767	621	191x32	1889	Marine Trans. Co., Capt. Jas. Taylor, Mngr., Marine City, Mich.
Tug	Tomlinson, G. A...	78	53	85x20	1896	Dunham Towing & Wrecking Co., Chicago.
Tug	Tonawanda	31	15	59x15	1893	Wm. J. Scott, Oswego, N. Y.
Gas	Topaz	9	7	37x10	1904	Frank Wilson, Port Washington, Wis.
Str	Topeka	1376	1111	228x36	1889	F. W. Smith, Mngr., Milwaukee, Wis.
Str	Topinabee	16	13	64x14	1899	A. L. Hamill, Petosky, Mich. Out of Com.
Sew	†Tornado	79	79	50x32	1900	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Tug	Torrent	203	140	115x21	1869	Adolph Green, Green Bay, Wis.
Tug	Torrent, John	18	9	50x12	1875	Stewart Ten Eyck, Sault Ste. Marie, Mich.
Str	Tourist	60	45	87x17	1897	L. J. Drake, St. Joseph, Mich.
Str	Tower, C., Jr.	1825	1543	255x40	1886	J. C. Gilchrist, Cleveland, O.
Str	†Townsend, Edw. Y.	7438	5673	586x58	1906	Cambria Steamship Co., Cleveland, O.
Sch	Tracy, M. & J.	137	108	95x17	1887	Name changed to Esther.
Sew	Trader	291	283	117x26	1903	Fox & Holloway, Buffalo, N. Y.
Slp	Tramp	10	10	46x10	1900	Frank Dingman, Alexandria Bay, N. Y.
C.F.	†Transfer	1511	1060	265x75	1888	Mich. Central R. R., Detroit, Mich.
C.F.	†Transport	1594	797	254x45	1880	Mich. Central R. R., Detroit, Mich.
Str	†Trenton	517	352	133x32	1905	Allen I. Halloway, Buffalo, N. Y.
Str	†Trevor, John B.	1713	1318	308x38	1895	Pittsburgh Steamship Co., Cleveland, O.
Str	Trio	16	8	54x12	1883	Nels P. Nelson, Muskegon, Mich.
Tug	Triton	35	24	52x15	1899	Great Lakes Towing Co., Cleveland, O.
Slp	Trix	6	6	30x 9	1895	E. A. Laughlin, Chicago, Ill.
Str	Trombly	16	11	50x12	1881	L. M. Trudell, Bay City, Mich. Rebuilt.
Tug	Troy, Henry	27	15	61x14	1891	Wm. Lahmann, Milwaukee, Wis.
Str	†Troy	3655	2966	380x45	1898	Western Transit Co., Buffalo, N. Y.
Sch	Troy	486	462	187x30	1872	R. Folkerts, Marine City, Mich.
Str	†Truant	100	50	120x17	1892	H. H. Newberry, Detroit, Mich.
Gas	Trumpour, D. A. .	9	5	40x 9	1904	M. V. Davis, Au Gres, Mich.

Str †Tuscarora	.....2386	1679	291x40	185	Lehigh Valley Trans. Co., Buffalo, N. Y.
Cap Tuscarora	.....12	8	39x12	1906	John C. Everett, Holland, Mich.
Str Tuttle, H. B.	.....744	452	179x31	1871	Harris W. Baker, Detroit, Mich.
Sch Tuxbury, A. C.	.....679	645	181x35	1800	Edward Hines Lumber Co., Chicago.
Bge Twentieth Century	.....75	75	.....	1901	Anna L. Sloan, Buffalo, N. Y.
Sch Twin Sisters	.....806	747	204x35	1889	J. C. Gilchrist, Cleveland, O.
Sly Two Brothers	.....8	8	.....	1896	John Schaam, Gladstone, Mich.
Tug Two Brothers	.....37	18	54x14	1891	A. Budzisch, Milwaukee, Wis.
Sch Two Brothers	.....32	30	65x18	1869	Della Smith, Sandusky, O.
Sch Two Kitties	.....10	10	41x12	1890	R. J. Campbell, Bay City, Mich.
Str Two Myrtles	.....96	65	80x22	1899	John Johnson, Green Bay, Wis.
Bge Tycoon	.....287	268	142x33	1895	Harry Coulby, Cleveland, O.
Sch †Tyron	.....2117	1862	300x41	1895	J. C. Gilchrist, Cleveland, O.
Sch Tyson, Emma E.	.....356	338	157x30	1871	S. C. McLouth, Marine City, Mich.

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Sty †Uarda	.....89	61	95x17	1881	Estate of C. D. Waterman, Detroit, Mich.
Str Uganda	.....2998	1892	291x41	1892	Edward Mehl, Erie, Pa. Rebuilt 1905.
Str †Umbria	.....4803	3519	420x50	1904	Wisconsin Transit Co., Cleveland, O.
Sch Una	.....44	41	63x17	1877	Frank Schroeder, Milwaukee, Wis.
Gas Uncle Sam	.....13	12	35x 9	1902	Phil Kegel, Chicago, Ill.
Sch Unadilla	.....396	376	153x30	1862	E. G. Riesterer, Mgr., Olga Trans. Co., Tonawanda, N. Y.
Tug Uncle	.....14	10	49x13	1900	Simon Schacht, Erie, Pa.
Bge Uncle Paul	.....67	67	80x22	1900	Adams & Tudor Co., Chaumont, N. Y.
Tug Uncle Sam	.....24	12	60x13	1853	S. C. Schenck, Toledo, O.
Str Unique	.....91	61	91x19	1900	The Whitchall & St. Johns Towing & Trans. Co., Whitehall, N. Y.
Slp Uno	.....15	14	44x12	1882	E. G. Robbins, Clayton, N. Y.
Tug Upham, J. H., Jr.	.....17	10	43x12	1880	Lake Sup. Con. & D. Co., Board of Trade, Duluth, Minn. Rebuilt 1888.
Str †Upson, J. E.	.....524	498	524x54	1908	Wilson Transit Co., Cleveland, O.
Sch Uranus	.....3748	2943	169x29	1873	S. C. McLouth, Marine City, Mich.
Str †Uranus	.....3748	2943	346x48	1901	J. C. Gilchrist, Cleveland, O.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	†Utica .....	3533	2658	325x44	1904	Western Transit Co., Buffalo, N. Y.
Sty	†Utowno .....	414	266	155x27	1891	A. V. Armour, Chicago, Ill.
V						
Sty	Vacuna .....	46	23	75x13	1896	S. R. Van Duzen, Alexandria Bay, N. Y.
Str	Vail, Walter .....	789	536	210x34	1890	J. O. Calbrick, Chicago, Ill.
Stp	Valcour .....	10	7	44x9	1890	Champlain Trans. Co., Burlington, Vt.
Sty	Valcour .....	61	48	89x14	1895	Hon. Jos. C. Sibley, Valcour, N. Y.
Gas	Valdez .....	12	8	36x8	1901	Cleveland, O.
Str	Valerie .....	58	29	69x17	1872	Joseph Croze, Houghton, Mich.
Tug	Valiant .....	40	26	65x16	1894	C. F. Mischler, Sandusky, O.
Gyt	Vanadis .....	24	11	50x15	1899	George S. Steere, Chicago, Ill.
Str	Vance, Frank L.....	1952	1642	257x39	1887	Milwaukee S. S. Co., David Vance, Mngr., Milwaukee, Wis.
Tug	Van Ellis, H. M. ....	28	19	55x13	1885	Levi E. Geiken, Milwaukee, Wis.
Sly	Vanenna .....	19	17	49x13	1896	W. F. Cameron, Chicago, Ill.
Nyt	Vanessa .....	42	37	52x16	1901	John H. Smedley, Detroit, Mich.
Str	†Van Hise, Charles.....	5117	3673	458x50	1900	Pittsburg Steamship Co., Cleveland, O.
Ywl	Varuna .....	13	13	47x12	1886	John G. Plasko, Detroit, Mich.
Scy	Vayn .....	11	11	33x10	1882	George H. Winans, Kalamazoo, Mich.
Sly	Vencedor .....	18	15	49x12	1896	George Tramel, Chicago, Ill.
Str	Venezuela .....	2125	1738	263x40	1897	James Davidson, W. Bay City, Mich.
Str	†Venus .....	3719	2766	346x48	1901	J. C. Gilchrist, Cleveland, O.
Str	Vermillion .....	1827	1395	252x42	1887	J. C. Gilchrist, Cleveland, O.
Stp	†Vernmont .....	1195	608	251x34	1903	Champlain Trans. Co., Burlington, Vt.
Str	Vernon, Jr.....	83	23	69x14	1902	V. C. Seaver, Chicago, Ill.
Str	†Verona .....	6186	4765	500x52	1907	Lackawanna Steamship Co., Buffalo, N. Y.
Str	Veronica .....	1093	880	202x34	1886	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Sty	Vesta .....	70	45	87x15	1893	Mortimer J. Lawrence, Cleveland, O.
Scb	Victor .....	101	73	99x17	1875	Western Stone Co., Chicago, Ill.
Str	Victor .....	13	11	43x12	1897	Geo. Pomeroy, Detour, Mich.

Stp Victor	.....	56	18	63x13	1897	Estate of Lewis Daniels, Vergennes, Vt.
Sbs Victoria	.....	192	116	96x28	1872	D. B. I. & W. Ferry Co., Detroit, Mich.
Str tVictoria	.....	4527	3707	459x48	1895	Inter Lake Co (P. M. & Co.), Cleveland, O. Rebuilt 1905.
Str Vigilant	.....	372	253	128x24	1896	Nester Estate, Detroit, Mich.
Str tViking	.....	1117	943	217x37	1889	T. J. Rexford, Mentor, O.
Tug Viola	.....	30	16	60x14	1889	Cornelius W. Desmond, Buffalo, N. Y.
Sch Viola	.....	54	51	77x21	1888	Chas. W. Liken, Sebawaing, Mich.
Tug Violet	.....	18	9	47x12	1890	Robert Beuttell, Bay City, Mich.
Stp tVirginia	.....	1606	979	269x38	1891	Goodrich Trans. Co., Chicago, Ill.
Str Virginia	.....	21	14	72x16	1897	J. P. Wagoner, Alexandria Bay, N. Y.
Sty Virginia	.....	18	9	41x 9	1890	Chas. D. Marshall, Buffalo, N. Y. Out of Com.
Sty Vita	.....	69	48	86x18	1888	A. W. Ferguson, Detroit, Mich.
Sch Voges, Theodore	.....	163	155	103x24	1876	Philander S. Wilson, Cleveland, O.
Sty tVolanta	.....	32	24	82x11	1875	Charles Thoman, Sault Ste. Marie, Mich.
Scy Volley, Ed	.....	18	5	43x13	1881	Ed. L. Fields, Detroit, Mich.
Str Volunteer	.....	2316	1683	270x41	1888	J. C. Gilchrist, Cleveland, O.
Sch Volunteer	.....	23	20	48x16	1899	A. J. Kennedy, St. Ignace, Mich.
Tug Volunteer	.....	13	9	58x10	1887	J. Martell, Depere, Wis. Rebuilt 1905.
Str tVulcan	.....	1759	1366	260x38	1889	J. C. Gilchrist, Cleveland, O.
W						
Str Waccamaw	.....	1359	930	249x40	1900	J. L. Crosthwaite, Buffalo, N. Y.
Sbs Wade, Addie	.....	98	67	80x20	1902	Joseph A. Lemere, Jacksonport, Mich.
Stp tWade, J. H.	.....	1863	1502	265x38	1890	W. C. Richardson, Cleveland, O.
Sty Wagner, Matt	.....	32	25	62x12	1888	A. E. Baker, et al, Dunkirk, N. Y. Rebuilt 1904.
Str Wagoner, Capt. D.	.....	19	13	54x11	1901	David Wagoner, Alexandria Bay, N. Y.
Str tWainwright	.....	.....	.....	440x52	1908	Edward Mehl, Erie, Pa.
Sch Wakeman	.....	4466	3519	459x48	1896	Geo. Hall Coal Co, Ogdensburg, N. Y.
Stp tWaldo, L. C.	.....	350	328	126x24	1881	Roby Frans. Co., L. C. Waldo, Mngr., Detroit
Tug Wales	.....	71	68	80x20	1866	Great Lakes Towing Co., Cleveland, O.
Sch tWaleska	.....	4470	3143	416x50	1903	H. M. Ludwig, Benton Harbor, Mich.
Stp tWalker, Perry G.	.....	18	13	41x11	1902	J. C. Gilchrist, Cleveland, O.
Tug tWalker, T. B.	.....	18	13	41x11	1902	F. J. McAlpine, Cleveland, O.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Sch	Wall, Chas. ....	629	597	194x34	1866	Sandusky Lumber & Box Co., Sandusky, O.
Str	Wallace, Albert .....	179	134	84x28	1891	Lehigh Valley Trans. Co., Buffalo, N. Y. Out of commission.
Sch	Wallace, Bertha ....	8	7	31x11	1894	A. R. Winnie, Port Clinton, O.
Str	Wallace, E. L. ....	4956	3678	420x52	1906	Dearborn Transit Co., Dearborn, Mich.
Str	Wallace, J. C. ....	6684	5403	532x56	1905	Acme S. S. Co. (A. B. Wolvin), Duluth, Minn.
Str	Wallace, Robt. ....	1640	944	238x41	1903	Great Lakes & St. L. Trans. Co., D. T. Helm, Duluth, Minn.
Str	Wallula .....	1924	1415	260x39	1882	J. C. Gilchrist, Cleveland, O.
Str	Walsh, Jas. P. ....	5630	4772	488x52	1905	Ohio S. S. Co., C. O. Jenkins, Mgr., Cleveland.
Str	Walsh, Lizzie .....	37	22	65x14	1882	J. O. Nessen & Co., Manistee, Mich.
Sch	Walter .....	17	16	44x13	1893	E. I. Stripe, Ontonagon, Mich.
Dge	Walter D. ....	136	123	101x27	1891	Thos. J. Degnan, care Lake Sand & Gravel Co., Toledo, O.
Str	Walter J. ....	9	6	29x 8	1896	David Westfall, Buffalo, N. Y.
Bge	Walton, Andrew ..	372	360	152x28	1869	A. L. Hyde, Cleveland, O. Out of commission.
Tug	Walton, B. ....	32	16	62x15	1891	Lake Sup. Con. & D. Co., Board of Trade, Duluth, Minn.
Str	Wanda .....	20	13	60x12	1892	Bertram C. Whitney, Detroit, Mich.
Sch	Wanderer .....	14	14	41x11	1890	Daniel W. Seavey, Bay Port, Mich.
Str	Waneka .....	22	12	55x10	1889	W. A. Pungs, Detroit, Mich.
Sch	Wannetta .....	6	6	33x10	1897	John Olmsted, Cheboygan, Mich.
Tug	Ward, A. B. ....	30	15	59x14	1866	A. W. Horton, Chicago, Ill.
Str	Ward, Eber .....	1343	1037	213x37	1888	John J. Boland, Buffalo, N. Y.
Tug	Ward, J. W. ....	40	29	63x16	1891	William C. Davidson, Grand Marais, Mich.
Str	Warner, Chas. M. ....	3812	2733	370x48	1903	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Str	Warner, R. S. ....	3062	2128	332x42	1901	Calumet Trans. Co., J. S. Ashley, Mgr., Cleveland.
Tug	Warrick .....	24	16	50x13	1880	James Rooney, Toledo, O. Rebuilt 1899.
Str	Warren, H. O. ....	26	17	51x10	1898	Julius H. Kiel, Oshkosh, Wis.
Str	Warren, Homer ....	448	281	176x29	1863	Shannon & Garey, Saginaw, Mich.

Tug Warren, Minnie ...	19	13	47x12	1869	M. O'Neil, Charlevoix, Mich.
Sch †Warriner, S. D. ...	2279	2125	300x41	1901	Calumet Trans. Co., J. S. Ashley, Mgr., Cleveland.
Sey Wasp .....	41	39	67x19	1882	W. S. Jones, Buffalo, N. Y.
Gas Watanna .....	15	12	48x12	1905	Ed. J. Grasser, Toledo, O.
Str Watkins, Edward ..	20	10	45x15	1873	David L. Ramage, Sturgeon Bay, Wis.
Sch Watkins, Grace ...	18	17	42x13	1887	Lewis J. Rice, Jr., Detroit, Mich.
Str Watson, C. W. ....	4306	3364	880x50	1902	J. C. Gilchrist, Cleveland, O.
Str Watson, Harvey ...	37	31	56x13	1893	Joseph Landon, 278 North av, Chicago, Ill.
Str †Watt, James .....	4090	3105	405x48	1896	Pittsburg Steamship Co., Cleveland, O.
Tug Waubun .....	55	37	72x15	1876	Con. Covey, Chicago, Ill.
Tug Waubun .....	77	52	72x19	1887	Conrad Niederman, Milwaukee, Wis. Rebuilt 1904.
Str Wau-Kon .....	137	93	95x18	1883	L. R. Boynton, St. Ignace, Mich.
Bge Waunegan .....	58	58	61x15	1893	S. A. Maxwell, Alexandria Bay, N. Y.
Str Wave .....	13	7	39x11	1887	W. G. Wilcox, Plattsburg, N. Y.
Sey Wave Crest .....	63	60	84x23	1864	George W. Davis, Alexandria Bay, N. Y.
Str Wa Wa .....	16	10	44x10	1891	Geo. F. Shipman, Escanaba, Mich.
Str †Wawatam .....	1856	1526	266x38	1891	Pittsburg Steamship Co., Cleveland, O.
Sey Wayward .....	42	21	89x16	1882	E. J. Dodge, Put-in-Bay, O.
Str †Weeks, Jennie ...	88	83	97x22	1882	Harvey Brown, Harbor Beach, Mich.
Str Wehrle, A. Jr. ....	4551	3451	416x50	1903	J. C. Gilchrist, Cleveland, O.
Sip Wehrle, A. Jr. ....	421	291	148x26	1889	G. A. Boeckling, Sandusky, O.
Tug Weidemann, R. H. .	34	20	58x15	1882	William S. Edward, Sault St. Marie, Mich.
Tug Welcome .....	77	38	85x20	1890	Sophia Meyer, Milwaukee, Wis.
Tug Welcome .....	58	29	68x17	1890	Lake Sup. Con. & D. Co., Board of Trade, Duluth, Minn.
Tug Welcome .....	10	5	42x12	1838	Thomas Goodman, Washington Harbor, Wis.
Sch Welcome .....	93	65	100x17	1877	Thos. A. Smyth, Chicago, Ill.
Str Welcome .....	140	77	80x21	1894	H. S. Dale, St. Clair, Mich.
Gas Welcome .....	7	6	42x10	1903	Joseph Kloboucnik, Chicago, Ill.
Sch Wells, D. A. ....	56	53	62x18	1874	Henry Schippers, Grand Haven, Mich.
Str †Wells, Frederick B.	4897	3630	430x50	1901	Peavey S. S. Co., Duluth, Minn.
Sch Wells, Hattie .....	876	357	164x28	1867	Capt. Chas. Ludwick, 719 Tunnel st., Port Huron.
Sy Wemco II. ....	32	32	60x16	1902	Name changed to Juanita.

AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Str	Wente, Robert C...	335	267	141x30	1888	Gus Kitzinger. Manistee, Mich.
Sch	Wescott, Geo. W....	122	116	111x24	1863	Tom Olsen, care Starke's Tug Office, Milwaukee, Wis.
Bge	West, B. ....	122	122	100x24	1905	Alexander Ruelle, Detroit, Mich.
Str	West, George R. ...	22	11	54x13	1885	Martin Treu, Milwaukee, Wis.
Str	Westcott, J. W....	522	451	169x30	1883	C. G. Forster, care Forster Lumber Co., Milwaukee, Wis.
Tug	Westcott, J. W....	18	9	41x11	1880	Thompson Tug Line, Port Huron, Mich.
Str	Western Star .....	4764	3593	416x50	1903	Michael J. Cummings, Oswego, N. Y.
Stp	Western States .....	3077	1566	366x45	1902	Det. & Buffalo Sibt. Co., W. C. McMillan, Mngfr., Detroit, Mich.
Str	Weston, A. ....	511	269	163x31	1882	Tonawanda Barge Line, N. Tonawanda, N. Y.
Str	Weston, Chas. A..	6996	5511	549x56	1906	Tonawanda Transit Co., Tonawanda, N. Y.
Bge	West Superior .....	134	134	93x30	1898	Lake Sup. Con. & D Co., Duluth, Minn.
Gyt	Whim-Wham .....	183	78	86x23	1898	Buffalo, N. Y.
Str	Whisper .....	34	17	62x11	1882	Geo. K. Birge, Buffalo, N. Y.
Sch	Whistler .....	19	18	36x15	1892	Edward Burdeno, Detroit, Mich.
Str	Whitaker, Byron ..	1586	1388	220x38	1890	Thomas Furnace Co., Milwaukee, Wis.
Sch	White, Chas. N. ....	115	84	93x17	1888	Ray M. Van Wagner, Niagara Falls, N. Y.
Str	White, Peter .....	6184	4931	504x54	1905	William G. Mather, Cleveland, O.
Str	White, Pendennis..	4382	3205	416x50	1906	Mitchell & Co., Cleveland, O.
Tug	Whitehaven .....	22	15	44x12	1889	Fred L. Mesmer, Buffalo, N. Y.
Tug	White, Kate .....	24	18	66x15	1885	John Dailey, Cleveland, O.
Gas	White Swan .....	7	6	30x 8	1904	John Wisch, Sheboygan, Wis.
Sch	White Wings .....	11	11	36x13	1902	S. E. Baldwin, Montague, Mich.
Ywl	White Wings .....	16	16	53x15	1882	F. Dugo, Rocky River, O.
Sch	White Wings .....	28	28	43x14	1903	James M. Osgood, Frankfort, Mich.
Sch	White & Friant .....	348	948	152x28	1881	Shannon & Garey, Saginaw, Mich.
Str	Whitney, D. M....	4626	3584	412x51	1900	J. C. Gilchrist, Cleveland, O.
Sch	Whitney, Grace ...	289	275	141x26	1866	M. Sicken, Marine City, Mich.
Str	Widener, Peter A R					

Scy	Widgeon	7053	5444	580x58	1906	Pittsburg Steamship Co., Cleveland, O.
Str	Widlar, Francis	22	21	46x13	1866	Joseph Fairfield, Toledo, O.
		4682	3368	416x50	1904	Columbia S. S. Co., Wm. Becker, Mngr., Cleveland, O.
Sly	Widsith	6	6	32x 9	1899	L. J. Ibold, Chicago, Ill.
Str	Wiehe, Trude R.	768	449	187x33	1885	E. Hines Lumber Co., Chicago, Ill.
Gay	Wilama	25	21	64x11	1902	Chas. W. Kotcher, Detroit, Mich.
Str	Wilber	13	9	40x 8	1891	H. E. McCune, Chicago, Ill.
Sch	Wilbor, J. B.	412	391	163x30	1867	Edward Hines Lumber Co., Chicago, Ill.
Gas	Wilcox, Major	15	12	49x12	1905	C. F. Mischler, Sandusky, O.
Sly	Wilcox, M. J.	41	41	76x16	1894	Simon Failing, Point Peninsula, N. Y.
Tug	Wilcox Co., The M.I.	14	10	40x12	1880	M. I. Wilcox Co., Toledo, O. Rebuilt 1900.
Str	Wilhelm, S. S.	683	491	185x35	1888	Name changed to L. L. Barth
Str	Wilkesbarre	4153	3311	381x50	1901	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str	Wilkinson, H. S.	3860	3057	370x48	1902	U. S. Trans. Co., Rockefeller Bldg., Cleveland.
Tug	Will and Harry	10	7	39x12	1898	George M. Downer, Cleveland, O.
Str	William D.	8	5	31x 9	1899	Wm. R. Young, Cleveland, O.
Tug	William D.	51	25	70x19	1892	Great Lakes Towing Co., Cleveland, O.
Tug	William H.	88	26	69x17	1898	Penna. Fishing Co., Erie, Pa.
Tug	Williams	89	61	87x19	1876	Buffalo Dredging Co., Buffalo, N. Y. Rebuilt.
Bge	Williams, Alonzo	73	73	.....	1887	James Hughes, Buffalo, N. Y. Out of Com.
Tug	Williams, C. E.	106	72	87x21	1907	Buffalo Dredging Co., Buffalo, N. Y.
Sch	Williams, Ellen	274	240	130x30	1855	O. Swanson, La Grange, Ill.
Str	Williams, Geo. F.	1898	1506	280x41	1889	J. C. Gilchrist, Cleveland, O.
Str	Williams, H. W.	691	548	170x35	1888	Dunkley-Williams Co., So. Haven, Mich.
Tug	Williams, J. L.	51	25	67x16	1883	Great Lakes Towing Co., Cleveland, O.
Tug	Williams, Kate	104	110	112x20	1862	Robert Martin, Escanaba, Mich.
Str	Willow	18	13	63x14	1903	E. A. Graham, St. Joseph, Mich.
Str	Wilpen	7612	5851	574x58	1906	William P. Snyder, Pittsburg, Pa.
Sch	Wilson, Annabell	490	467	174x32	1887	Holland & Graves, Buffalo, N. Y.
Str	Wilson, Kate	15	10	48x12	1897	Eugene Loesch, Erie, Pa.
Str	Wilson, Mathew	322	243	141x27	1872	Daniel McMillan, Muskegon, Mich.
Str	Wilson, Capt. Thos.	4719	3959	420x50	1900	Wilson Transit Co., Cleveland, O.
Tug	Wilson, Thomas	71	35	73x18	1888	Great Lakes Towing Co., Cleveland, O.
Tug	Wilson, Gen. John M.	42	28	70x15	1898	U. S. Engineer, Buffalo, N. Y.

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AMERICAN STEAM AND SAIL VESSELS OF THE GREAT LAKES—Continued.

CLASS.	VESSEL.	Gross Tonnage	Net Tonnage	Keel Beam	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER.
Scw	Windor	193	140	74x50	1894	Geo. W. Archer, Rochester, N. Y.
Ylt	Windward	6	5	29x11	1901	W. C. Walker, Chicago, Ill. Formerly Clara H.
Gscw	Wing and Wing	16	12	45x9	1903	Warren J. Brodie, Cleveland, O.
Sch	Wing, Winnie	200	190	118x28	1897	Geo. Irving, Oswego, N. Y.
Gas	Winneconne	9	8	27x9	1893	C. W. Johnston, Winneconne, Wis.
Str	Winnipeg	1108	874	252x35	1878	John J. Boland, Buffalo, N. Y.
Sty	Winyah	143	74	115x20	1894	F. W. Fletcher, Alpena, Mich.
Str	Wisconsin	4858	3707	428x50	1903	Wisconsin Transit Co., Cleveland, O.
Str	Wisconsin	16	11	41x10	1901	Chas. Merbach, Neenah, Wis.
Str	Wisconsin	769	625	181x30	1882	Barry Bros. Trans. Co., Milwaukee, Wis. Formerly F. & P. M. No. 1.
Tug	Wisconsin	56	28	76x16	1885	Great Lakes Towing Co., Cleveland, O.
Str	Wissahickon	4062	3104	350x46	1906	Anchor Line, Buffalo, N. Y.
Sch	Witbeck, Henry	498	473	167x33	1880	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Str	Witch	44	17	60x18	1904	Wm. H. Sharp, Bay City, Mich.
Str	Witt, Herman	12	7	43x11	1903	Nicholas H. Witt, Duluth, Minn.
Sch	Witter, Wm. E.	133	105	91x17	1890	L. E. Huntley, Buffalo, N. Y.
Sly	Wizard	6	6	31x11	1896	H. A. Aronson, Chicago, Ill.
Scw	W. No. 1	41	41	.....	1898	W. A. Whitney, Superior, Wis.
Scw	W. No. 5	102	102	.....	1895	W. A. Whitney, Superior, Wis.
Str	Wolf, William H.	2365	1791	285x42	1887	W. Div. S. S. Co., Milwaukee, D. Sullivan & Co., Mngrs., Chicago, Ill.
Str	Wolvin, A. B.	2286	1587	242x42	1900	Pittsburg Steamship Co., Cleveland, O.
Str	Wolvin, August's B.	6385	5311	540x56	1904	Acme S. S. Co., A. B. Wolvin, Duluth.
Str	Wonder	99	78	94x19	1889	Frederick Lemke, Sandusky, O.
Sch	Wonder	39	37	61x16	1875	J. A. Woltman, Chicago, Ill.
Gas	Wonder	7	6	26x8	1903	Frank E. Fisher, Glen Arbor, Mich.
Str	Woods, James B.	7159	5744	514x54	1906	Gilchrist Trans. Co., Cleveland, O.
Sch	Wood, S. A.	294	248	142x28	1898	Patrick Myers, Chicago, Ill.
Str	Woodruff, Louis	4707	3380	416x50	1903	J. C. Gilchrist, Cleveland, O.
Tug	Woods, Arthur	97	18	54x15	1888	Great Lakes Towing Co., Cleveland, O.

Str Woods, Frank .....	384	316	120x25	1888	Benton Transit Co., Benton Harbor, Mich.
Str Woodworth, F. C. ....	89	78	68x15	1901	Fred Woodworth, W. Webster, N. Y.
Sch Woolson, Mary ....	708	673	179x34	1888	O. W. Blodgett, Bay City, Mich.
Str Wotan .....	886	712	191x36	1893	Louis Sands Salt & Lumber Co., Manistee, Mich.
Sch Wrenn, George L. ....	214	203	129x26	1868	Barbara H. Scheunenmann, Chicago, Ill.
Tug Wright, Albert J. ....	See Tug Smith.				
Sch Wright, A. J. ....	130	106	96x17	1880	J. F. Schoellkopf, Buffalo, N. Y.
Str Wright, Alfred P. ....	2207	1899	286x41	1888	J. C. Gilchrist, Cleveland, O.
Sch Wright, A. W. ....	530	507	169x33	1880	W. H. Sharp, Bay City, Mich.
Sch Wright, John W. ....	26	24	52x13	1869	Jens Jensen, Ephraim, Wis.
Tug Wyland, J. L. ....	22	18	60x14	1885	Penna. Fishing Co., Erie, Pa.
Sch Wyman, Charles E. ....	234	222	132x29	1882	
Str Wyoming .....	1953	1739	241x39	1887	Red Star Line, Buffalo, N. Y.
Sch X. 10 U. 8. ....	23	22	44x15	1888	Mary V. Allers, St. James, Mich.
Str Yale .....	3453	2698	371x45	1895	John J. Boland, Buffalo, N. Y.
Sch Yankee .....	236	224	138x25	1862	Mills Trans. Co., Marysville, Mich.
Tug Yates, Florence ....	32	16	57x14	1875	Yates Coal Co., Rochester, N. Y.
Str Yonkers .....	1770	1571	264x36	1879	Western Transit Co., Buffalo, N. Y.
Str York State .....	89	71	66x24	1899	N. G. Gaylord, Ludington, Mich. Out of Com.
Sch York State .....	277	256	134x28	1869	Adam P. Thompson, Chicago, Ill.
Str Yosemite .....	3879	3044	856x50	1901	G. A. Tomlinson, Duluth, Minn.
Str Youghiogheny ....	177	170	115x30	1889	Pittsburg Coal Co., Cleveland, O.
Sch Young, C. L. ....	382	363	155x29	1872	Geo. Frances, Bay City, Mich.
Sch Young, Wm. A. ....	434	413	165x30	1883	H. McMorran, Port Huron, Mich.
Str Yuma .....	2194	1828	322x44	1893	Wilson Transit Co., Cleveland, O.
Sch Zapotec .....	811	796	204x34	1890	William J. Hackett, Cape Vincent, N. Y.
Nyt Zelpa C. ....	12	8	51x 9	1903	L. Comstock, Alexandria Bay, N. Y.
Sew Zenith .....	30	30	.....	1899	W. A. Whitney, W. Superior, Wis.
Tug Zenith .....	95	47	83x21	1895	Great Lakes Towing Co., Cleveland, O.
Str Zenith City .....	3850	3429	387x48	1895	Pittsburg Steamship Co., Cleveland, O.
Sch Zenobia .....	142	117	93x17	1881	S. T. Stacy, Buffalo, N. Y.
Str Zillah .....	748	583	201x37	1890	O. W. Blodgett, Bay City, Mich.
Str Zimmerman, Eugene ..	5630	4772	488x52	1905	L. S. Sullivan, Toledo, O.

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# Canadian Steam and Sail Vessels of the Great Lakes

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†Indicates steel vessels. Tons of steam vessels are gross tons, sail vessels registered tons. Year in brackets, thus (1895), is year in which vessel was built

Abbey, Olivia, sail, 88 tons, 100 ft., (1884), John Bradley, Merrittton.	Admiral, stmr., 9 tons, 45 ft., (1880), Peter G. Carpenter, Sombra.
Abeona, stmr., 46 tons, 89 ft., (1889), Harry Oldfield, Parry Sound, Ont.	Adrelexa, stmr., 20 tons, 61 ft., (1886), Edward Adamson, Toronto.
Aberdeen, stmr., 674 tons, 180 ft., (1894), Minister of Marine & Fisheries, Ottawa.	Advance, stmr., 41 tons, 66 ft., (1862), F. Smith, Toronto.
Aberdeen, stmr., 13 tons, 51 ft., (1894), Wm. Harty, Kingston.	Advance, stmr., 72 tons, 48 ft., (1886), Wm. A. Kennedy, Manitoulin.
Aberdeen, stmr., 142 tons, 99 ft., (1894), A. W. Hepburn, Picton.	Advance, tm., 1031 tons, 175 ft., (1884), Montreal Trans. Co., Ltd., Montreal, Que.
Abino, stmr., 41 ft., (1894), Wm. T. Windsor, Callender, Ont.	†Agawa, sail, 3308 tons, 379 ft., (1902), Algoma Centra & H. B. Ry. Co., Sault Ste. Marie.
Acacia, stmr., 107 tons, 92 ft., (1893), M. O. Mathews, Hamilton.	Aggie, sail, 13 tons, 47 ft., (1887), Christopher Armstrong, Oakville.
Acacia, sail, 188 tons, 102 ft., (1871), C. C. Simmons, Kingston.	Agnes, stmr., 23 tons, 50 ft., (1884), W. W. Grant, et al., Spanish River, Ont.
Active, stmr., 302 tons, 129 ft., (1873), Montreal Trans. Co., Ltd., Montreal.	Agnes, stmr., 14 tons, 55 ft., (1898), Thos. Ellis, Roach's Point, Toronto.
Active, sail, 64 tons, 84 ft., (1887), J. McCallum, Wallaceburg.	Agnes C., stmr., 20 tons, 47 ft., (1887), W. H. Plummer, Sault Ste. Marie.
Ada, stmr., 29 tons, 61 ft., (1886), Chas. Ogilvie, Ottawa.	Agwinde, stmr., 307 tons, 105 ft., (1900), J. T. Horne, Fort William, Ont.
Ada, Alice, stmr., 60 tons, 66 ft., (1879), Jos. Goodwin, Toronto.	Ahmie, stmr., 77 tons, 80 ft., (1896), The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto.
Adams, Freddy, stmr., 16 tons, 40 ft., (1906), Geo. E. Adams, Parry Sound, Ont.	Ahteeck, stmr., 29 tons, 57 ft., (1879), W. H. Plummer, Sault Ste. Marie, Ont.
Adams, James, stmr., 51 tons, 68 ft., (....), Jas. Whalen, Port Arthur.	Aid, sail, 368 tons, 153 ft., (1885), Trefle Rondeau, Lanoraie, Que.

- Aikins, W. J., stm., 42 tons, 60 ft., (1874), D. C. Graham, Fort William.
- Aileen, sail, 25 tons, 65 ft., (1882), Robt. Myles, Toronto.
- Aileen, stm., 24 tons, 56 ft., (1904), Peter Cavanagh, Perth, Ont.
- Ajax, stm., 33 tons, 54 ft., (1902), W. F. C. Boyd, Bobcaygeon.
- A., sail, 16 tons, 50 ft., (1903), Canada Corporation Co. Ltd., Toronto.
- Alaska, stm., 348 tons, 165 ft., (1878), W. J. Pulling, et al., Windsor, Ont.
- Alaska, stm., 246 tons, 102 ft., (1906), Sincennes-McNaughten Line, Montreal, Que.
- Albani, stm., 5 tons, 36 ft., (1892), Wm. Davies, Toronto, Ont.
- Albani, stm., 58 tons, 78 ft., (1882), W. H. Comstock, Brockville.
- Albani, sail, 159 tons, 107 ft., (1883), H. F. Cumming, Cornwall.
- Albatross, sail, 317 tons, 136 ft., (1871), Midland Towing & Wkg. Co., Ltd., Midland Ont. Rebuilt.
- Alberta, stm., 2 tons, 20 ft., (1904), D. L. Mather, Kenora, Ont.
- †Alberta, stm., 2282 tons, 263 ft., (1883), Canadian Pacific Ry. Co., Montreal, Que.
- Albert, stm., 1 ton, 21 ft., (1891), Henry W. Harrison, Hamilton.
- Albert, sail, 147 tons, 109 ft., (1897), H. E. Larkin and A. Sangster, Iroquois.
- Albina, sail, 180 tons, 110 ft., (1887), G. F. Benson and J. D. Reid, Cardinal.
- Alert, stm., 50 tons, 64 ft., (1886), Minister of Railways & Canals, Ottawa.
- Alert, stm., 47 tons, 58 ft., (1886), Welland Canal Tug Co., Ltd., Pt. Colborne, Ont.
- Alert, stm., 9 tons, 37 ft., (1903), John A. Kayr, Sault Ste. Marie, Ont.
- Aletha, stm., 171 tons, 107 ft., (1901), Mrs. Alertha Roys, Kingston.
- Alexander, sail, 351 tons, 134 ft., (1857), Bryce Muir, Port Dalhousie.
- Alexandra, stm, 105 tons, 76 ft., (1891), J. B. Parkin, Lindsay.
- Alexandria, paddle stm., 863 tons, 173 ft., (1883), Arthur W. Hepburn, Picton.
- Alfie, stm., 3 tons, 28 ft., (1887), M. B. Thomas, Dundas.
- Alfred, paddle stm., 89 tons, 48 ft., (1895), A. L. Davis, Peterboro.
- Algoma, stm., 157 tons, 104 ft., (1901), Robt. A. Lyons, Sault Ste. Marie, Ont.
- Algoma, stm., 5 tons, 36 ft., (1901), John H. Davis, Kingston.
- Algoma, stm., 69 tons, 56 ft., (1904), Rat Portage Lumber Co., Ltd., Kenora, Ont.
- Algonquin, stm., 305 tons, 120 ft., (1906), Huntsville L. of Bays and L. Sim Nav. Co., Toronto, Ont.
- †Algonquin, stm., 1806 tons, 245 ft., (1888), St. Lawrence & Chicago Steam Nav. Co., Ltd., Toronto.
- Alice, stm., 15 tons, 41 ft., (1902), T. Lemipe, Grand Piles, Que.
- Aligator paddle stm., 6 tons, 31 ft., (1893), F. Baker, Barrie.
- Allan, Eliza, sail, 110 tons, 84 ft., (1875), Ed. Harris, Port Dover.

Alliance, sail, 33 tons, 47 ft., (1867), Arnold Winegardin, Chatham.	Anglo-Saxon, sail, 253 tons, 133 ft., (1864), ex-ecutors of estate D. D. Calvin, Kingston.
Allie, stm., 11 tons, 40 ft., (1890), A. W. Jones and D. M. Jones, Ottawa.	Anglo-Saxon, sail, 180 tons, 58 ft., (1898), David Davidson, Pentanguishenc.
Alma T., stm., 16 tons, 35 ft., (1889), Ont. & Western Lumber Co., Ltd., Kenora, Ont.	Anna, stm., 8 tons, 44 ft., (1883), E. E. Gilbert, Cardinal.
Alma V., stm., 56 tons, 68 ft., (1906), S. & L. Villineauves, Kenora, Ont.	Annie, sail, 30 tons, 55 ft., (1853), P. Demers and M. Thibeau, Dover East.
Almida, stm., 8 tons, 30 ft., (1899), A. W. Nuttall, Port Arthur.	Annie, sail, 70 tons, 96 ft., (1883), Asa Ribble, Dresden.
Alva, stm., 27 tons, 50 ft., (1901), Henry E. Shaver, Ottawa.	Annie M., stm., 33 tons, 56 ft., (1900), Mrs. M. A. Clark, Collingwood.
Alzora, sail, 43 tons, 65 ft., (1890), Louis Thibert, Belle River.	Annie Mc., stm., 13 tons, 33 ft., (1897), Thos. McLeod, Port Arthur.
Amenda, stm., 6 tons, 36 ft., (1906), W. Stewart, Muskoka, Ont.	Antelope, stm., 20 tons, 60 ft., (1889), George A. Davis, Smiths Falls, Ont.
America, stm., 521 tons, 153 ft., (1895), St. Lawrence River Stbt. Co., Ltd., Kingston.	Antelope, sail, 334 tons, 138 ft., (1873), Albert A. J. Foster and Amelia Ure, Toronto.
Ames, A. E., stm., Canadian Lake & Ocean Nav. Co., Ltd., Toronto.	Antelope, sail, 180 tons, 106 ft., (1854), Jos. Glass, Sarnia, Ont.
Ampere, stm., 5 tons, 31 ft., (1894), Allan Marshall, Hamilton.	Arabia, stm., 1515 tons, 233 ft., (1873), J. H. Hall, Ottawa, Ont.
Amy, stm., 40 tons, 55 ft., (1901), Rudolph MacDonald, Toronto.	†Arabian, stm., 1073 tons, 178 ft., (1892), J. B. Fairgrieve, Hamilton.
Anchora, stm., 6 tons, 42 ft., (1902), Robt. J. McKee, Toronto.	Arbutus, stm., 49 tons, 63 ft., (1887), Owen Sound Tug, Lighter & Barge Line, Owen Sound.
Anderson, stm., 16 tons, 42 ft., (1888), James Clark, Wiarton.	Arctic, sail, 172 tons, 130 ft., (1858), Catherine Sidley, Belleville.
Angler, stm., 20 tons, 53 ft., (1895), John S. Allan, Port Dover, Ont.	Arctic, stm., 101 tons, 96 ft., (1893), Deseronto Nav. Co., Deseronto, Ont.
Anglin, R., stm., 97 tons, 97 ft., (1869), R. J. Couch & H. W. Brooks, Ottawa, Ont.	Ariadne, stm., 38 tons, 63 ft., (1885), Asa Ribble, Dresden.
Anglo-Saxon, paddle stm., 69 tons, 68 ft., (1868), Ontario Bank, Toronto.	Ariadne, sail, 23 tons, 57 ft., (1901), J. Eres, Kingston, Ont.

- Ariadne, sail, 16 tons, 56 ft., (1891), J. McIntosh, South Marysburg.
- Ariel, stm., 3 tons, 25 ft., (1900), John H. Mason, Toronto.
- Ariel, sail, 162 tons, 111 ft., (1867), D. C. Strong, Goderich.
- Arlington, stm., 23 tons, 61 ft., (1878), Toronto Ferry Co., Ltd., Toronto.
- Armenia, stm., 110 tons, 100 ft., (1876), Deseronto Nav. Co., Deseronto, Ont.
- Armenia, stm., 467 tons, 176 ft., (1873), Arthur C. Wand, Montreal, Que.
- Armour, stm., 191 tons, 87 ft., (1906), R. J. Watson, Burk's Falls, Ont.
- Armstrong, Charles E., stm., 49 tons, 56 ft., (1894), E. Armstrong, Pt. Colborne.
- Arnold, Fanny, stm., 73 tons, 89 ft., (1882), Spanish River Co., Spanish River.
- Arnott, Mary, stm., 8 tons, 31 ft., (1886), D. Lowery, Brantford.
- Arrow, stm., 4 tons, 35 ft., (1901), Minister of Marine and Fisheries, Ottawa.
- Arthemise, stm., 11 tons, 34 ft., (1902), N. T. Laplante, Peterborough.
- Arthur, sail, 327 tons, 148 ft., (1873), Elias Rogers Co. Ltd., Toronto.
- Aryan, stm., 2 tons, 30 ft., (1895), M. R. Davis, Kingston.
- Ashley, E. G., stm., 10 tons, 40 ft., (.....), Wallaceburg Sugar Co., Wallaceburg, Ont.
- †Athabasca, stm., 2269 tons, 262 ft., (1883), Canadian Pacific Ry. Co., Montreal, Que.
- Augusta, stm., 57 tons, 66 ft., (1883), Daniel McGrath, Port Dalhousie, Ont.
- Augustus, sail, 802 tons, 177 ft., (1898), Montreal Trans. Co., Montreal.
- Aurelia, stm., 34 tons, 56 ft., (1869 and 1903), Robt. Weddell, Toronto, Ont.
- Aurora, sail, 234 tons, 125 ft., (1867), Blind River Mfg. Co., Sarnia.
- Austin, J. S., sail, 323 tons, 136 ft., (1863), Algoma Central & H. B. Co., Sault Ste. Marie.
- Ayr, sail, 299 tons, 132 ft., (1858), Alexander McArthur, Toronto.
- Azov, sail, 195 tons, 108 ft., (1866), John McDonald, Goderich.
- B., sail, 16 tons, 50 ft., (1903), Canada Corporation Co., Ltd., Toronto.
- Babineau & Gaudry, sail, 156 tons, 95 ft., (1864), Hiram Ives, Windsor.
- Bailey, Emery, sail, 47 tons, 70 ft., (1868), R. Smith, Oakville.
- Bain, Jessie, stm., 67 tons, 70 ft., (1885), St. Lawrence River Sbt. Co., Kingston.
- Baird, Harry, stm., 42 tons, 61 ft., (1885-1896), James Leighton, Port Elgin.
- Baldwin, Mary, sail, 7 tons, 34 ft., (1876), A. Mathews, Lakeport.
- Balize, stm., 247 tons, 132 ft., (1863), John Charlton, Lynedock.
- Ballou, H. M., sail, 80 tons, 80 ft., (1867), E. Goldring, Toronto.
- Balmoral, stm., 37 tons, 53 ft., (1899), L. Bellefeuille, Kenora, Ont.
- Baltic, sail, 194 tons, 136 ft., (1856), John Galna & R. W. Dauter, Parry Sound.

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Bancroft, stm., 10 tons, 37 ft., (1903), R. C. Carter, Deseronto.	Barrett, Annie, stm., 42 tons, 58 ft., (1901), Mrs. Annie Pendergast, Kingston.
Argo, stm., 20 tons, 50 ft., (1906), D. Foster, Port Colborne, Ont.	Battle, Thomas Freely, stm., 29 tons, 47 ft., (1901), Freeman Green, Dunnville.
Argo, stm., 7 tons, 27 ft., (1895), C. Bell, Owen Sound.	Bayaria, sail, 361 tons, 145 ft., (1878), Alex. Kidd, Sarnia, Ont.
Argosy, stm., 1 ton, 21 ft., (1883), John E. Thompson, Toronto.	Bayfield, stm., 276 tons, 140 ft., (1889), Minister of Marine & Fisheries, Ottawa.
Argus, stm., 27 tons, 55 ft., (1884), Minister of Customs, Ottawa.	Beatrice, stm., 31 tons, 63 ft., (1877), Wm. J. Keays, Sarnia.
Argyle, stm., 41 tons, 68 ft., (1891), Sarnia Bay Towing & Salvage Co., Ltd., Sarnia.	Beatrice, stm., 7 tons, 35 ft., (1900), Daniel Dashwood, Dunnville.
Argyle, paddle stm., 700 tons, 185 ft., (1899), Lake Ontario Navigation Co., Picton.	Beatrice M., stm., 36 tons, 60 ft., (1902), John Bowman, Rosport.
Bangs, C. W., stm., 4 tons, 36 ft., (1902), John F. Hurdman, Ottawa.	Beauharnois, stm., 167 tons, 130 ft., (1845), J. A. A. Desrochers, Beauharnois, Que.
Baptiste, paddle stm., 8 tons, 37 ft., (1902), R. C. Carter, Deseronto.	Beauport, sail, 334 tons, 145 ft., (1873), J. E. Robillard, Montreal, Que.
Baptiste, St. Jean, sail, 62 tons, 70 ft., (1906), J. B. Dussault, Les Ecureuils, Que.	†Beaupre, paddle stm., 2068 tons, 262 ft., Richelieu & Ont. Nav. Co., Montreal.
Barge No. 1, sail, 48 tons, 50 ft., (1898), H. F. Cumming and J. B. McMillan, Cornwall.	Beaver, stm., 18 tons, 73 ft., (1883), Thos. Harris, Gore's Landing.
Barge No. 2, sail, 60 tons, 81 ft., (1898), Wm. Lawlor, Hawkesbury.	Beaver, stm., 41 tons, 64 ft., (1892), John Bonar, Cornwall.
Barge No. 3, sail, 54 tons, 81 ft., (1898), Wm. Lawlor, Hawkesbury.	Beaver, stm., 92 tons, 78 ft., (1897), John Carew, Lindsay.
Barge No. 4, sail, 54 tons, 81 ft., (1898), Contractors Supply Co., Ltd., Ottawa.	Beaver, stm., 29 tons, 54 ft., (1899), George Chew and Thos. Chew, Midland.
Bark Swallow, sail, 14 tons, 42 ft., (1872), J. H. Hill, Port Credit.	Beaver, stm., 3 tons, 32 ft., (1896), Edward Porter, Hamilton.
Barium, John J., sail, 1213 tons, 234 ft., (1890) Algoma Central Railway, Sault Ste. Marie.	Beck, Mary, stm., 16 tons, 48 ft., (1876), John Gidley, Penetanguishene.
Barnes, F. C., stm., 63 tons, 66 ft., (1892), Thunder Bay Cont. Co., Port Arthur, Ont.	Beckett, Thos., sail, 151 tons, 111 ft., (1881), John O'Toole, Ottawa, Ont.

Beckwith, J. L., stm., 61 tons, 60 ft., (1872), Wm. Grierson, Sault Ste. Marie.  
 Bedford, sail, 107 tons, 103 ft., (1863), The Deseronto Nav. Co., Ltd., Deseronto.  
 Bedford, Mary, sail, 61 tons, 101 ft., (1888), Benj. Tett, Bedford Mills.  
 Belknap, sail, 46 tons, 81 ft., (1874), John Cooper, Chatham.  
 Bell, Ida, stm., 6 tons, 28 ft., (1890), C. C. Bates, Clear Creek.  
 Bell, Ida, sail, 97 tons, 87 ft., (1874), Jas. W. Wye, Kingsville.  
 Bell, Katie, stm., 2 tons, 31 ft., (1898), John B. McRae, Ottawa.  
 Belle, sail, 335 tons, 130 ft., (1897), St. Lawrence Terminal Co., Prescott, Ont.  
 Belle, stm., 16 tons, 44 ft., (1896), G. A. Brown, Port Burwell.  
 Belle, stm., 3 tons, 29 ft., (1903), Abner Nichols, Carleton Place.  
 Belle, stm., 7 tons, 37 ft., (1876), Wm. Pilgrim, Meaford.  
 Belle, Amelia, stm., 4 tons, 39 ft., (1883), G. W. Dench, Trenton.  
 Belle (The), stm., 31 tons, 66 ft., (1899), Wm. H. Kennedy, Owen Sound, Ont.  
 Belletta, stm., 2 tons, 21 ft., (1901), Alfred G. Peasey, Toronto.  
 Belleville, formerly Spartan, paddle stm., 1233 tons, 200 ft., (1865 and 1905), Richelieu & Ont. Nav. Co., Montreal, Que.  
 Benedict, E. G., sail, 155 tons, 104 ft., (1869), Thos. Lucas, Windsor.  
 Benham, C. E., stm., 140 tons, 102 ft., (1865), W. J. McMenemy, Bruce Mines.

Bennet, P., sail, 83 tons, 89 ft., (1869), Collins Bay Rating & Forwarding Co., Kingston.  
 Benson, Hiram, sail, 275 tons, 140 ft., (1871), Jas. Playfair and W. A. Clarke, Jr., Collingwood.  
 Berks, sail, 543 tons, 191 ft., (1874), A. B. Mackay, Hamilton, Ont.  
 Berry, stm., 57 tons, 62 ft., (1902), Sylvester Berry, Providence Bay.  
 Bertha, stm., 11 tons, 35 ft., (1901), Frank Dompier, Rosport.  
 Bertha, stm., 18 tons, 51 ft., (1891), F. Montgomery, Parry Sound.  
 Bertha May, stm., 20 tons, 43 ft., (1886), Chas. Mickle, Gravenhurst.  
 †Berthier, paddle stm., 934 tons, 184 ft., (1870), Richelieu & Ont. Nav. Co., Montreal.  
 Bertie E., stm., 8 tons, 29 ft., (1891), F. S. Wright, Leamington.  
 Bessie B., stm., 53 tons, 60 ft., (1904), Jos. E. Budreau, Rainy River.  
 Betsey, sail, 19 tons, 45 ft., (1868), Lionel Yorke, Toronto.  
 Bickerdike, stm., 1515 tons, 233 ft., (1873), Montreal & Great Lakes S. S. Co., Ltd., Ottawa, Ont.  
 Bill, stm., 2 tons, 21 ft., (1900), Manley Cross, Gananoque.  
 Bismarck, sail, 302 tons, 131 ft., (1871), Alphonse Desrosierre, Lanoraie, Que.  
 Blake, Edward, stm., 22 tons, 48 ft., (1884), James Battle, Thorold.  
 Blake, Edward, sail, 312 tons, 138 ft., (1872), Thos. Mills, Kingston.



Blanch. stm., 6 tons, 30 ft., (1903), J. B. Rheault, St. Remi du Lac, Que.	Botrel, stm., 18 tons, 50 ft., (1903), J. A. Godin, Three Rivers, Que.
Blanchard, J. B., sail, 150 tons, 110 ft., (1882), Ottawa Transportation Co., Ltd., Ottawa.	†Boucherville, paddle stmtr., 419 tons, 178 ft., (1886), Richelleu & Ont. Nav. Co., Montreal.
Blazier, J. S., stm., 89 tons, 80 ft., (1867-1892), C. S. Boone, Toronto.	Bowman, C. M., stm., 88 tons, 92 ft., (1897), C. M. Bowman and W. J. Strong, Southampton.
Bluebell, stm., 12 tons, 48 ft., (1888), Hiram A. Calvin, Garden Island, Ont.	Bowman, A. F., stm., 113 tons, 76 ft., (1906), Great Lakes Dredging Co., Port Arthur, Ont.
Bly, Nellie, stm., 13 tons, 42 ft., (1890), Jos. Goodwin, Toronto.	Brace, stm., 9 tons, 21 ft., (1884), Jos. Brace, Hamilton.
Bob O'Link, sail, 15 tons, 35 ft., (1870), Zeno Orton Quick, Point Pelee Island.	Brandon, stm., 176 tons, 75 ft., (1895), J. T. Horne, Fort Williams, Ont.
Bobs, stm., 9 tons, 36 ft., (1900), Geo. Gooderham, Toronto.	Brant, stm., 49 tons, 55 ft., (1906), W. E. Phin, Welland, Ont.
Bobs, stm., 11 tons, 28 ft., (1904), J. L. Rogers, Peterboro, Ont.	Breck, Marion L., sail, 298 tons, 127 ft., (1863), John McGibbon, Sarnia.
Bobs, stm., 38 tons, 66 ft., (1900), The Temagami Nav. Co., Ltd., Toronto, Ont.	British Lion, sail, 80 tons, 84 ft., (1883), James Moss, Dunnville.
Bohemian, paddle stmtr., 1107 tons, 195 ft., (1873-1900). Name changed to Prescott.	British Lion, stm., 22 tons, 36 ft., (1903), J. Harty, Fort Frances, Ont.
Bolivia, bge., 310 tons, 140 ft., (1874), A. Mondo, Lamoraie, Que.	Britann R. C., stm., 213 tons, 142 ft., (1877), Wm. Scott, Wallaceburg.
Bonito, stm., 17 tons, 53 ft., (1879), Lyon Cohen, Montreal, Que.	Briton, (The), sail, 146 tons, 106 ft., (1862), A. M. Palmatier, Picton.
Boone, C. A., stm., 44 tons, 63 ft., (1883), Chas. S. Boone, Toronto.	†Britannic, paddle stmtr., 428 tons, 150 ft., (1866-1892), Northern Nav. Co. of Ontario, Ltd., Collingwood.
Booth, paddle stmtr., 347 tons, 140 ft., (1899), John R. Booth, Ottawa.	Brock, W. D., stm., 13 tons, 35 ft., (1905), F. H. Lawrence, Echo Bay, Ont.
Booth, Wm., stm., 46 tons, 67 ft., (1883), Henry Quinlan, Belleville.	Brockville, stm., 191 tons, 105 ft., (1898), Brockville Nav. Co., Ltd., Brockville.
Boswell, F. J., sail, 153 tons, 110 ft., (1880), Ottawa Transportation Co., Ltd., Ottawa.	
Bothnia, stm., 833 tons, 178 ft., (1895), Montreal Transportation Co., Ltd., Montreal, Que.	

Brockville, formerly Columbian, paddle stmr., 944 tons, 175 ft., (1892 and 1901), Richelieu & Ont. Nav. Co., Montreal.  
 Bronson, H. F., stmr., 137 tons, 91 ft., (1870), Montreal Transportation Co., Ltd., Montreal.  
 Brooks, Alice, stmr., 17 tons, 40 ft., (1882), Edw. Brooks, Port Elgin, Ont.  
 Brothers, stmr., 18 tons, 39 ft., (1886), E. T. Morrow, Ft. William.  
 Brothers, sail, 14 tons, 44 ft., (1874), Jas. Thornburn, Kincardine.  
 Brown, Gordon, stmr., 33 tons, 69 ft., (1901), A. C. Brown, Port Stanley.  
 Brown, R. H., sail, 51 tons, 63 ft., (1882), John Cadarette, Belle River.  
 Bruin, sail, 104 tons, 97 ft., (1881), The Muskoka & Nipissing Nav. Co., Gravenhurst.  
 Bridges, C. J., stmr., 39 tons, 62 ft., (1874), Minister of Public Works, Ottawa.  
 Buckley, James, sail, 442 tons, 160 ft., (1884), Jas. Buckley, Prescott.  
 Buckley, W. P., stmr., 27 tons, 45 ft., (1870), James Buckley, Prescott.  
 Buffalo, sail, 88 tons, 104 ft., (1865), Abram H. Bradley, Dunnville.  
 Burma, sail, 885 tons, 183 ft., (1901), The Calvin Co., Garden Island.  
 Burroughs, Geo. T., stmr., 130 tons, 109 ft., (1881), C. W. Cadwell, Windsor.  
 Burton, F. H., sail, 137 tons, 103 ft., (1853), Jno. Hart, Picton.  
 Butcher Boy, stmr., 215 tons, 95 ft., (1879), Victoria Harbour Lumber Co., Ltd., Victoria Harbor.

C., sail, 31 tons, 80 ft., (1903), Canada Cordum Co., Ltd., Toronto.  
 Callender, stmr., 2 tons, 20 ft., (1892), Isaac Dollery, Fairbank, York Co.  
 Calumet, stmr., 22 tons, 54 ft., (1895), M. M. Boyd, Bobcaygeon.  
 Calumet, sail, 154 tons, 111 ft., (1889), Ottawa Trans. Co., Ltd., Ottawa.  
 Calvin, D. D., stmr., 750 tons, 166 ft., (1883), The Calvin Co., Garden Island.  
 Camilla stmr., 54 tons, 68 ft., (1890), Wm. Fraser, Little Current, Ont.  
 Campbell, G., stmr., 1158 tons, 206 ft., (1871), G. Plunkett, Coburg, Ont.  
 Canada, stmr., 557 tons, 135 ft., (1872), J. S. Nesbit, Sarnia.  
 †Canada, paddle stmr., 1768 tons, 248 ft., (1866). Name changed to St. Irene.  
 Canada No. 1, sail, 85 tons, 96 ft., (—), Canada Ice Co., Ltd., Toronto.  
 Canada, No. 3, sail, 113 tons, 96 ft., (—), Canada Ice Co., Ltd., Toronto.  
 Canada, stmr., 312 tons, 123 ft., (1874), Owen Sound Park Co., Ltd., Owen Sound, Ont.  
 Canton, sail, 304 tons, 143 ft., (1873), Jas. W. Maitland, Owen Sound.  
 Capital, stmr., 2 tons, 30 ft., (1898), John Harper, et al., Ottawa.  
 Capital, bge., 178 tons, 79 ft., (1905), J. O'Leary, Ottawa, Ont.  
 Caponaning, stmr., 18 tons, 41 ft., (1888), The Ontario Lumber Co., Toronto.  
 Caribou, stmr., 597 tons, 144 ft., (1904), Dominion Fish Co., Winnipeg, Man.

Carlton, stm., 8 tons, 40 ft., (1878), <b>W. F. Thomson</b> , Parry Sound.	Cemego, stm., 1 ton, 15 ft., (1903), <b>Mrs. F. A. Price</b> , Massanoga.
Carmana, stm., 56 tons, 90 ft., (1889), <b>T. S. Carman</b> , Belleville.	Centennial, sail, 66 tons, 81 ft., (1876), <b>H. O. Brown</b> , Welland.
Carmlia, stm., 63 tons, 66 ft., (1902), Minister of Public Wks., Ottawa.	Ceylon, sail, 908 tons, 205 ft., (1891), <b>The Calvin Co., Ltd.</b> , Garden Island.
Carne, Derry, stm., 3 tons, 15 ft., (1900), <b>W. D. Morris</b> , Ottawa.	Chamberlain, C. W., stm., 385 tons, 127 ft., (1881), <b>Chas. Beck</b> , Penetanguishene.
Caroline, stm., 12 tons, 38 ft., (1900), <b>Charles Martin</b> , Midland.	†Chambly, paddle stmtr., 535 tons, 153 ft., (1871), <b>Richelieu &amp; Ont. Nav. Co.</b> , Montreal.
Caroline, sail, 133 tons, 103 ft., (1872), <b>The Minister of Public Works</b> , Ottawa.	Champion, sail, 18 tons, 49 ft., (1867), <b>W. C. Ryan</b> , Sarnia.
Carrie, stm., 3 tons, 29 ft., (1889), <b>G. Crawford</b> , Hamilton.	Champion, sail, 50 tons, 66 ft., (1872), <b>Michael P. Thibert</b> , Belle River.
Carriella, stm., 35 tons, 70 ft., (1869), <b>D. Long</b> , Orillia.	Champion, paddle stmtr., 142 tons, 94 ft., (1868), <b>Geo. Crandell</b> , Lindsay.
Carveth, Flora, sail, 190 tons, 115 ft., (1873), <b>John McLellan</b> , Bowmanville.	Champion, stm., 42 tons, 69 ft., (1904), <b>Thos. W. Wood</b> , Orillia, Ont.
†Caspian, paddle stmtr., 957 tons, 177 ft., (1846), <b>Lake Ont. &amp; Bay of Quinte Stbt. Co., Ltd.</b> , Kingston.	Champlain, stm., 522 tons, 120 ft., (1904), <b>Minister of Marine and Fisheries</b> , Ottawa.
Catact, sail, 193 tons, 105 ft., (1874), <b>F. McGibbon</b> , Sarnia.	Chance, stm., 5 tons, 43 ft., (1895), <b>John Hew-ton</b> , Kingston.
Catact, stm., 1199 tons, 175 ft., (1882), <b>Myles Transp. Co., Ltd.</b> , Hamilton, Ont.	Chapeau, sail, 42 tons, 63 ft., (1889), <b>W. J. Pourpore</b> , Ottawa.
Catherine S., stm., 67 tons, 66 ft., (1896), <b>John Short</b> , Kenora, Ont.	Charlie M., stm., 50 tons, 54 ft., (1897), <b>The Muskoko Lakes Nav. &amp; Hotel Co., Ltd.</b> , Toronto.
Cayuga, stm., — tons, 306 ft., (1906), <b>Niagara Nav. Co.</b> , Toronto, Ont.	Charlton, stm., 389 tons, 135 ft., (1862), <b>Victoria Harbor Lumber Co., Ltd.</b> , Victoria Harbor.
Cayuga, stm., 2196 tons, 305 ft., (1907), <b>Niagara Nav. Co.</b> , Toronto, Ont.	Cherokee, sail, 365 tons, 151 ft., (1874), <b>The Montreal Trans. Co., Ltd.</b> , Montreal, Que.
Ceccebe, stm., 11 tons, 31 ft., (1886), <b>The Muskoka &amp; Nipissing Nav. Co.</b> , Gravenhurst.	Chicora, paddle stmtr., 931 tons, 221 ft., (1864), <b>Niagara Nav. Co., Ltd.</b> , Toronto.
Cecelia, sail, 290 tons, 135 ft., (1865), <b>Geo. Brooks</b> , Port Dalhousie.	

Chicoutimi, paddle stmr., 110 tons, 92 ft., (1881),  
 Victoria Park Sbst. Co., Ltd., Toronto.  
 Chicoutimi, formerly Saguenay, paddle stmr., 992  
 tons, 219 ft., (1891), Richelieu & Ont.  
 Nav. Co. Montreal.  
 Chief dr'ge., 269 tons, 80 ft., (1903), W. E.  
 Phin. Welland, Ont.  
 Chieftain, stmr., 40 tons, 52 ft., (1889), F. W.  
 Coates, Fort Frances.  
 Chieftain III., stmr., 355 tons, 142 ft., (1906),  
 Calvin Co., Kingston, Ont.  
 Child, R. F., stmr., 5 tons, 35 ft., (—), H. D.  
 Gamble, Toronto.  
 ‡Chippewa, paddle stmr., 1514 tons, 308 ft.,  
 (1893), Niagara Nav. Co., Ltd., Toronto.  
 Church, H. F., ltr., 306 tons, 138 ft., (1875),  
 John Garroch, Sarnia.  
 Cincinnati, sail, 162 tons, 55 ft., (1895), Benj. A.  
 Patterson, et al., Oakville.  
 Circe, stmr., 3 tons, 28 ft., (1889), C. W. Tobey,  
 Collingwood.  
 City of Alberton, stmr., 67 tons, 62 ft., (1897),  
 Preston Bell Furniture & Lumber Co.,  
 Ltd., Fort Frances.  
 City of Bala, stmr., 74 tons, 76 ft., (1901), Hunts-  
 ville & Bracebridge Tanning Co., Ltd.,  
 Huntsville.  
 City of Belleville, stmr., 101 tons, 89 ft., (1878),  
 Can. Pacific Car & Passenger Transfer Co.,  
 Ltd., Prescott.  
 City of Chatham, stmr., 341 tons, 125 ft., (1888),  
 Chatham Nav. Co., Chatham.  
 City of Dresden, stmr., 194 tons, 93 ft., (1872),  
 Chas. D. Shirley, Blenheim.

City of Ladysmith, paddle stmr., 35 tons, 69 ft.,  
 (1900), Chas. Ross, Port Maitland.  
 City of Meaford, stmr., 328 tons, 111 ft.,  
 (1906), J. Perks, Meaford, Ont.  
 City of Midland, stmr., 974 tons, 176 ft., (1890),  
 Northern Nav. Co. of Ont., Ltd., Colling-  
 wood.  
 ‡City of Montreal, stmr., 1554 tons, 220 ft.,  
 (1871), Montreal Lake Erie S. S. Co., Ltd.,  
 Montreal, Que.  
 City of Mount Clemens, stmr., 102 tons, 95 ft.,  
 (1880), Jas. W. Steinloff, Wallaceburg.  
 City of New York, stmr., 292 tons, 136 ft., (1863),  
 Geo. Wilkinson, et al., Sarnia.  
 City of Stratford, stmr., 4 tons, 32 ft., (1874),  
 Andrew J. Jeffrey, Stratford.  
 City of Toronto, paddle stmr., 782 tons, 150 ft.,  
 (1895), The Northern Nav. Co. of Ont.,  
 Ltd., Collingwood.  
 City of Windsor, stmr., 511 tons, 117 ft., (1888),  
 D. L. McKinnon, Sudbury.  
 City Queen, stmr., 69 tons, 70 ft., (1900), A. L.  
 Nickerson and C. T. Nickerson, J. O. Mid-  
 land.  
 Clara, stmr., 12 tons, 44 ft., (1877), Wm. Penn  
 Jaynes, Barrie.  
 Clara L., sail, 45 tons, 75 ft., (1885), Wm. Hand,  
 Port Dalhousie.  
 Clara May, stmr., 9 tons, 39 ft., (1902), Wm.  
 Newell & Rod'k Shirk, Popular.  
 Clark Bros., stmr., 92 tons, 80 ft., (1890-1901),  
 Lawrence Solomon, Toronto, Ont.  
 Cleopatra, stmr., 104 tons, 113 ft., (1893), A. E.  
 Gooderham and T. G. Blackstock, Toronto,  
 Ont.

Clinton, stm., 430 tons, 138 ft., (1874), James Matthews, Toronto.	Comet, stm., 8 tons, 45 ft., (1895), Josiah Ball, Fesserton.
Clipper, stm., 46 tons, 62 ft., (1903), The Sagable & Spanish Boom & Slide Co. of Algoma, Ltd., Spanish River, Ont.	Comfort, stm., 14 tons, 43 ft., (1891), Peter Baecheler, Sarnia, Ont.
Clipper, stm., 4 tons, 31 ft., (1880), A. Thompson, Ottawa.	Commodore, stm., 40 tons, 59 ft., (1885), Joe Ganley, Sault Ste. Marie.
Clive, Lucy, stm., 13 tons, 42 ft., (1900), Minister of Customs, Ottawa.	Commodore, paddle stm., 175 tons, 96 ft., (1867), Geo. Crandell, Lindsay.
Clorita, sail, 44 tons, 64 ft., (1898), Geo. H. Gooderham, Toronto.	Commodore Jarvis, stm., 287 tons, 109 ft., (1903), Sand & Dredging Co., Ltd., Toronto.
Clucas, stm., 28 tons, 60 ft., (1882), Dominion Fish Co., Ltd., Winnipeg, Man.	Condor, sail, 567 tons, 180 ft., (1888), The Montreal Trans. Co., Ltd., Montreal, Que.
Coboconk, paddle stm., 103 tons, 80 ft., (1876), Wm. Shields, Coboconk.	Conqueror, stm., 25 tons, 60 ft., (1886), Ira Hill, Midland.
Coboconk, paddle stm., 9 tons, 30 ft., (1902), Mrs. C. McFadden, Fenelon Falls.	Constance, stm., 1 ton, 18 ft., (1885), Jas. Turnbull, Hamilton.
Cole, C. W., stm., 16 tons, 49 ft., (1903), Claude W. Cole, Milford.	Constance, stm., 185 tons, 115 ft., (1891), The Minister of Customs, Ottawa.
Collop, T. J., paddle stm., 63 tons, 58 ft., (1894), J. W. Taylor, Wallaceburg.	Constance, stm., 52 tons, 82 ft., (1898), Donald M. Grant, Rossseau, Ont.
Colonel By, stm., 9 tons, 45 ft., (1868), P. Eligh Burritt's Rapids.	Cook, A. B., stm., 34 tons, 54 ft., (1885), James Bampton, Welland, Ont.
Colonial, stm., 19 tons, 19 ft., (1906), Colonial Lumber Co., Pembroke, Ont.	Cora, stm., 23 tons, 55 ft., (1902), J. B. Bowerman, Port Perry.
Colonial, stm., 43 tons, 52 ft., (1906), Colonial Lumber Co., Pembroke, Ont.	Cora, stm., 4 tons, 32 ft., (1887), Oliver B. Sheppard, Toronto.
Columbia, sail, 84 tons, 101 ft., (1885), Benj. Tet, Bedford Mills.	Coral, sail, 26 tons, 47 ft., (1874), Geo. Blowers, Port Credit, Ont.
†Columbian, paddle stm., 874 tons, 175 ft., (1892). Name changed to Brockville.	Corisande, sail, 276 tons, 137 ft., (1873), John C. Miller, Parry Sound.
Comet, stm., 22 tons, 55 ft., (1876), R. E. Moore et al., Harrison.	Cornwall, formerly Algerian, stm., 914 tons, 175 ft., (1874), Richelieu & Ontario Nav. Co., Montreal.
Comet, stm., 20 tons, 60 ft., (1887), The Rathbun Co., Deseronto.	†Corona, paddle stm., 1274 tons, 270 ft., (1896), Niagara Nav. Co., Ltd., Toronto.

- Coronet, sail, 24 tons, 58 ft., (1887), Lionel York, Toronto.
- Corrella, stm., 4 tons, 30 ft., (1889), M. Ken-ville, Brockville.
- Corrina, sail, 30 tons, 48 ft., (1879), Chas. Ber-trand, Isle Verte.
- Covell, Almeda, stm., 9 tons, 32 ft., (1868), Nathaniel Dickey and John Ginty, Toronto.
- Cox, R. M., sail, 168 tons, 112 ft., (1904), Ot-tawa Transportation Co., Ltd., Ottawa.
- Craftsman, sail, 65 tons, 99 ft., (1883), T. Mills, Kingston.
- Craftsman, sail, 266 tons, 132 ft., (1873), John Strong, Port Elgin.
- Craig, Annie, stm., 80 tons, 78 ft., (1879 and 1880), Eugene O'Keefe, Toronto.
- Crawford, A. V., stm., 51 tons, 72 ft., (1891), Mrs. Ella B. Boone, Toronto, Ont.
- Crete, George, stm., 17 tons, 54 ft., (1905), G. Crete, Grand Piles, Que.
- Crete, John, sail, 8 tons, 62 ft., (1901), G. Crete, Grand Piles, Que.
- Cross, A. D., stm., 47 tons, 49 ft., (1897), Mrs. Ida M. Armstrong, Port Colborne, Ont.
- Cruiser, stm., 86 tons, 87 ft., (1887), John B. Miller, Toronto, Ont.
- Cuba, stm., 931 tons, 177 ft., (1875), Montreal & Chicago Merchants' Shipping Co., Ltd., Toronto.
- Cuba, stm., 1708 tons, 238 ft., (1872), North-ern Nav. Co., Collingwood, Ont.
- Cunningham, James, sail, 176 tons, 110 ft., (1877), Ottawa Trans. Co., Ltd., Ottawa.
- Curlew, stm., 9 tons, 35 ft., (1895), H. A. Cart-wright, Belleville.
- Curlew, stm., 3 tons, 29 ft., (1891), F. H. Gooch, Toronto.
- Curlew, stm., 158 tons, 116 ft., (1892), Minister of Marine and Fisheries, Ottawa.
- Curtis, H. C., stm., 36 tons, 52 ft., (1878), W. H. Davis, Ottawa.
- Cuthbert, Annie, sail, 36 tons, 55 ft., (1874), Alex. Cuthbert, Cobourg.
- Cuyler, Geo. W., stm., 56 tons, 64 ft., (1880), B. H. Turner, Little Current.
- Cygnet, sail, 27 tons, 44 ft., (1879), Thos. Mc-Graw and R. D. Ewing, Toronto.
- Cyprus, sail, 6 tons, 30 ft., (1879), D. J. Mac-Murphy, Toronto.
- Cyrenian, sail, 376 tons, 135 ft., (1879), Geo. E. Smith, Southampton, Ont.
- Dack, stm., 18 tons, 46 ft., (1898), W. & W. G. Black, Belleville, Ont.
- Daisy, stm., 2 tons, 39 ft., (—), G. B. McGee, Merrickville.
- Daisy, stm., 15 tons, 41 ft., (1893), Minister of Public Works, Ottawa.
- Dakota, sail, 516 tons, 170 ft., (1885), The Montreal Trans. Co., Ltd., Montreal, Que.
- Daly, Sarah, stm., 25 tons, 49 ft., (1869), John Jesmer, Sr., Cornwall.
- Dandy, sail, 40 tons, 80 ft., (1894), Capital Sand & Brick Co., Ltd., Ottawa.
- Danforth, F. L., sail, 643 tons, 187 ft., (1872), Quebec Trans. & Forwarding Co., Ltd., Quebec, Que.
- Darling, Grace, stm., 28 tons, 50 ft., (1886-1897), A. J. Shaw, Parry Sound.

Darrow, sail, 91 tons, 49 ft., (1897), David Davidson, Penetanguishene.	Delta, sail, 74 tons, 47 ft., (1898), David Davidson, Penetanguishene.
Dauntless, stm., 8 tons, 44 ft., (1884), S. C. MacDonald, Dunnville.	Demers, Alfred, sail, 131 tons, 105 ft., (1878), Minister of Public Works, Ottawa.
Dauntless, stm., 3 tons, 28 ft., (1900), Thos. Robson, Fenelon Falls.	Demsa, stm., 38 tons, 56 ft., (1905), J. A. Lemay, Portneuf, Que.
Dauntless, sail, 156 tons, 105 ft., (1867), M. J. Glass, Sarnia.	Denmark, sail, 305 tons, 134 ft., (1867), Calvin Co., Ltd., Garden Island.
Davidson, sail, 150 tons, 110 ft., (1882), The Ottawa Transportation Co., Ltd., Ottawa.	Despatch, stm., 33 tons, 71 ft., (1878), W. J. Pulling, Windsor.
Davidson, Fred, stm., 43 tons, 62 ft., (1887), Chas. L. D. Sims, Little Current.	Devenish, stm., 3 tons, 32 ft., (1886), W. Packer, Wood Township, Simcoe Co.
David, sail, 81 tons, 46 ft., (1896), David Davidson, Penetanguishene.	Dey, D. P., stm., 11 tons, 35 ft., (1866), Lyon Cohen, Montreal, Que.
†Davis, Wm., stm., 40 tons, 63 ft., (1897), J. T. Davis, Ottawa.	Dickson, paddle stm., 16 tons, 28 ft., (1890), The Dickson Co., Peterborough.
Davis, W. L., stm., 46 tons, 46 ft., (1882), James Garrett, Sault Ste. Marie.	Diver, J. M., stm., 48 tons, 67 ft., 1904, Reid Wrecking Co., Ltd., Sarnia, Ont.
Davitt, Michael, tug, 24 tons, 52 ft., (1885), McAuliffe, Gross & Manley, Thorold.	Dixie, sail, 97 tons, 50 ft., (1898), David Davidson, Penetanguishene.
Dawn, stm., 20 tons 48 ft., (1888), S. Purser, Hall's Bridge.	Dobell, W. M., bge, 219 tons, 121 ft., (1906), Ottawa Transp. Co., Ottawa, Ont.
Dawn, stm., 3 tons, 27 ft., (1900), Jos. Cooper, Bracebridge.	Dobson, R. H., stm., 44 tons, 75 ft., (1902), Dobson & McLeod, Southampton.
Day, Sarah E., stm., 5 tons, 35 ft., (1872), W. M. Tyson, Wiarton.	Dolce, stm., 5 tons, 42 ft., (1894), J. W. Church, Gananoque.
Defiance, sail, 89 tons, 102 ft., (1859), R. McLaren, St. Catharines.	Dolphin, stm., 70 tons, 74 ft., (1881), Ottawa Transportation Co., Ltd., Ottawa.
Defiance, sail, 26 tons, 49 ft., (1845), C. McCrancy, Toronto.	Dolphin, stm., 24 tons, 49 ft., (—), J. Playfair, et al., Midland, Ont.
Delila, stm., 4 tons, 32 ft., (1896), James David, Carmanah.	Dolphin, sail, 71 tons, 46 ft., (1896), David Davidson, Penetanguishene.
Delisle, stm., 46 tons, 62 ft., (1869), Minister of Public Works, Ottawa.	Dolphin, stm., 13 tons, 50 ft., (1871), Savanagh Lumber Co., Ltd., Penetanguishene.

- Dolphin, stm., 6 tons, 36 ft., (1901), Miss Minnie McVicar, Paris.
- Dominion, dr'ge., 366 tons, 114 ft., (1905), Great Lakes Dredging Co., Port Arthur, Ont.
- Dominion, paddle stmr., 46 tons, 79 ft., (1884), Francis Burke, Lindsay.
- Dominion, stm., 478 tons, 135 ft., (1868), Mrs. Henrietta Peck, Windsor.
- Don, sail, 86 tons, 45 ft., (1892), David Davidson, Penetanguishene.
- Donaldson, B., sail, 162 tons, 111 ft., (1881), John O'Toole, Ottawa, Ont.
- †Donnacona, stm., 1906 tons, 245 ft., (1900), R. O. and A. B. McKay, Hamilton.
- Donnelly, paddle stmr., 319 tons, 142 ft., (1863), Donnelly Salvage & Wkg. Co., Ltd., Kingston.
- Doone, Lorna, stm., 5 tons, 36 ft., (1893), W. H. J'dwards, Bracondale, Ont.
- Doone, Lorna, stm., 26 tons, 61 ft., (1896), Mrs. Carrie E. Pratt, Parry Sound.
- Dora, stm., 48 tons, 61 ft., (1889), Minister of Public Wks., Ottawa.
- Dorcas, stm., 3 tons, 31 ft., (1897), Dr. W. F. Jackson, Brockville, Ont.
- Dorothe, stm., 8 tons, 33 ft., (1900), W. F. Thomson, Rose Point.
- Dorthea, stm., 51 tons, 71 ft., (1894), Geo. T. Fulford, Brockville.
- Dottie, stm., 1 ton, 25 ft., (1888), Mrs. Jeannie F. Ferguson, North Bay.
- Douglas, stm., 5 tons, 30 ft., (1898), The Georgian Bay Consolidated Lumber Co., Wau-  
baushene.
- Douglas, Geo., stm., 42 tons, 56 ft., (1880), James Cannan, Owen Sound.
- Dow, Geo., sail, 15 tons, 42 ft., (1875), Wm. McCulla, Port Credit.
- Dream, stm., 12 tons, 50 ft., (1886), The Minister of Customs, Ottawa.
- Dredge Frank, sail, 154 tons, 78 ft., (1892), A. F. Bowman, Southampton.
- Dredge Hackett, sail, 50 tons, 62 ft., (1897), C. M. Bowman, et al., Southampton.
- Dredge No. 5, sail, 174 tons, 76 ft., (1896), W. H. Plummer, Sault Ste. Marie.
- Dredge No. 6, sail, 313 tons, 90 ft., (1891), Jas. Whalen, Port Arthur.
- Dredge No. 8, sail, 187 tons, 82 ft., (1894), W. H. Plummer, Sault Ste. Marie.
- Dredge No. 9, sail, 127 tons, 71 ft., (—), A. G. McKay, Owen Sound.
- Druid, stm., 503 tons, 160 ft., (1902), Minister of Marine and Fisheries, Ottawa.
- Dryden Bell, stm., 15 tons, 35 ft., (1903), W. Keith & J. M. Stockleton, Dryden.
- Dude, sail, 3 tons, 28 ft., (1880), A. Campbell, Lakeport.
- Dudley, F., sail, 154 tons, 108 ft., (1879), The Ottawa Transportation Co., Ltd., Ottawa.
- Dudley, Herbert, sail, 199 tons, 120 ft., (1875), DeWitt Carter, Port Colborne.
- Duke of York, stm., 187 tons, 74 ft., (1903), W. J. Poupore, Montreal, Que.
- Dunbar, C. F., stm., 33 tons, 47 ft., (1871), James Prendergast, Cornwall.
- Dundee, sail, 262 tons, 125 ft., (1870), Hugh Kelly, Toronto.



Dundee, stm., 2278 tons, 250 ft., (1906), Dundee Steamship Co., Hamilton, Ont.	Eddy, Ella Clarissa, sail, 141 tons, 111 ft., (1881), Ottawa Transportation Co., Ltd., Ottawa.
Dundurn, stm., 1120 tons, 190 ft., (1882), R. O. Mackay, Hamilton, Ont.	Edith, stm., 2 tons, 22 ft., (1883), J. P. Clark, Toronto.
Dunmore, sail, 675 tons, 182 ft., (1895), Montreal Transportation Co., Ltd., Montreal.	Edith sail, 353 tons, 130 ft., (1897), The Canadiana Sugar Refining Co., Ltd., Montreal, Que.
Dunn, Stuart H., sail, 458 tons, 164 ft., (1877-1889), A. J. Foster and F. A. Ure, Toronto.	Edith Ann, stm., 11 tons, 43 ft., (1903), John Davis, Kingston.
Dunscomb, J. W., sail, 98 tons, 90 ft., (1871), Government of Canada, Ottawa.	Edmond, stm., 39 tons, 56 ft., (1879), B. Tett, Bedford Mills.
Dymont, N. stm., 59 tons, 73 ft., (1900), N. Dymont, Barrie.	Edmond, sail, 68 tons, 75 ft., (1906), E. Perusse, Le Clereville, Que.
Eagle, stm., 14 tons, 43 ft., (1875), A. Miller, Port Elgin.	Edna, sail, 369 tons, 129 ft., (1897), St. Lawrence Terminal Co., Quebec, Quebec.
Eagle, stm., 12 tons, 44 ft., (1887), C. R. Morrison, Sarnia.	Edna, stm., 9 tons, 31 ft., (1891), Robt. Douglass, Sault Ste. Marie.
Eagle, stm., 10 tons, 34 ft., (1898), James Moreau, Port Severn.	Edna, stm., 55 tons, 64 ft., (1898), Mrs. Carrie E. Pratt, Parry Sound.
Eccles, Katie, sail, 122 tons, 95 ft., (1877), Chas. J. McCallum, Colborne.	Edna, stm., 12 tons, 36 ft., (1899), Thoms. H. Lawry, Hamilton.
Echo, stm., 5 tons, 27 ft., (1901), John S. M. Alexander, Peterborough.	Effort, sail, 51 tons, 72 ft., (1889), Mrs. Marion Ribble, Dresden.
Echo, sail 50 tons, 69 ft., (1869), D. C. Smith, Belleville.	Eleanor, stm., 26 tons, 56 ft., (1895), E. Martin, Port Maitland.
Eddie, sail, 28 tons, 59 ft., (1892), H. A. Hackett, Amherstburg.	Electric, stm., 49 tons, 69 ft., (1897), John J. Wright, Toronto.
Eddie B., stm., 9 tons, 29 ft., (1902), David Baker, Midland.	Elite, paddle stm., 22 tons, 60 ft., (1894), Seth Chapman, Gore Bay.
Eddy, C. F. stm., 16 tons, 45 ft., (1902), Blind River Towing Co., Ltd., Sarnia.	Elizabeth Ann, sail, 18 tons, 44 ft., (1869), J. Adamson, Toronto.
Eddy, E. B., stm., 78 tons, 98 ft., (1881), La Compagnie de Pulpe de Chicoutimi, Ltd., Chicoutimi, Que.	Elsie, J. C., paddle stm., 33 tons, 44 ft., (1893), Georgian Bay Lumber Co., Ltd., Waukegan, Waukegan, Waukegan.

Elsie, stm., 48 tons, 69 ft., (1906), Mrs. M. A. Clarke, Toronto, Ont.  
 Emaroy, sail, 79 tons, 86 ft., (1879), Nelson Flowers, Ottawa.  
 Emerald, sail, 463 tons, 137 ft., (1875), G. J. Cook, Toronto.  
 Emile, stm., 12 tons, 50 ft., (1892), John O'Leary, Ottawa.  
 Emily, sail, 29 tons, 62 ft., (1890), E. Parent, Belle River.  
 Emily May, sail, 31 tons, 70 ft., (1879), J. Laffner, Kingston.  
 Emily May, stm., 30 tons, 59 ft., (1906), M. McInnes, Meaford, Ont.  
 Emma, stm., 146 tons, 89 ft., (1894-1901), Mrs. Carrie E. Pratt, Parry Sound.  
 Emma, stm., 6 tons, 34 ft., (1894), R. S. Watts, Hamilton.  
 Emma, stm., 2 tons, 28 ft., (1897), W. O. Spearman, Ottawa.  
 Emma C., stm., 1 ton, 24 ft., (1890), L. J. Coursoles, Ottawa.  
 Empress, stm., 36 tons, 63 ft., (1891), French River & Nipissing Nav. Co., Sturgeon Falls, Ont.  
 Empress, stm., 84 tons, 93 ft., (1899), Trent Valley Nav. Co., Bobcaygeon.  
 Empress Victoria, stm., 106 tons, 76 ft., (1894), Huntsville Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.  
 Emulator, stm., 25 tons, 49 ft., (1890), A. Walton, Magnetawan.  
 Endress, Bertha, stm., 32 tons, 42 ft., (1876), H. A. Duncan, Sault Ste. Marie.

Energy, stm., 116 tons, 81 ft., (1883), J. Hackett, Amherstburg.  
 England, sail, 341 tons, 148 ft., (1863), James Buckley, Prescott.  
 Eno, stm., 7 tons, 32 ft., (1906), Mrs. I. O. Moseley, Montreal, Que.  
 Enterprise, stm., 148 tons, 81 ft., (1869), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Huntsville.  
 Enterprise, stm., 18 tons, 58 ft., (1892), Levi Young, Port Bruce.  
 Enterprise, sail, 105 tons, 90 ft., (1871), Ontario Bank, Toronto.  
 Enterprise, sail, 16 tons, 40 ft., (1864), F. A. Greatwood, Toronto.  
 Enterprise, stm., 13 tons, 49 ft., (1893), W. J. Poupore, Ottawa.  
 Equal Rights, stm., 6 tons, 36 ft., (1890), G. Robson, Franklin, Ont.  
 Eric, stm., 3 tons, 30 ft., (1902), F. F. Millar, Nananee, Ont.  
 Erie, stm., 2 tons, 18 ft., (1902), Mrs. Edna R. Price, St. Catharines.  
 Erie Queen, sail, 217 tons, 115 ft., (1874), James O'Guy, et al., Oshawa.  
 Erie Stewart, sail, 230 tons, 117 ft., (1874), John Pigott, et al., Chatham.  
 Escort, stm., 40 tons, 44 ft., (1894), The Welland Canal Tug Co., Ltd., Port Colborne.  
 Espanola, stm., 7 tons, 36 ft., (1897), Spanish River Paper & Pulp Co., Ltd., Toronto.  
 Esperanza, stm., 17 tons, 57 ft., (1876), C. E. Niebergall, Wiarton.

Estella, stm., 9 tons, 38 ft., (1891), Edwin S. Pratt, Parry Sound.	Evans, Robt., sail, 29 tons, 52 ft., (1885), Keewatin Lumbering & Mfg. Co., Ltd., Hamilton.
Estelle, stm., 8 tons, 31 ft., (1887), Chas. H. Grylls, Lakefield.	Evelyn, stm., 32 tons, 61 ft., (1893), Dominion Fish Co., Winnipeg, Man.
Estelle, stm., 51 tons, 66 ft., (1874), Great Lakes Dredging Co., Port Arthur, Ont.	Evelyn, stm., 85 tons, 67 ft., (1892), French River Lumber Co., Windsor.
Esturian, paddle stm., 139 tons, 94 ft., (1897), The Trent Valley Nav. Co., Bobcaygeon.	Evelyn, sail, 97 tons, 90 ft., (1867), Wm. Myles, Kingston.
Esturion, paddle stm., 118 tons, 96 ft., (1884), The Trent Valley Nav. Co., Bobcaygeon.	Evelyn, stm., 4 tons, 30 ft., (1906), J. Blewett, Lakefield, Ont.
Ethel, stm., 13 tons, 42 ft., (1887), John Hastie, Sheguindah, Ont.	Everard, stm., 25 tons, 51 ft., (1900), M. Graham, Kagawong.
Ethel May, stm., 13 tons, 46 ft., (1897), John Fleming, Mortimer's Point.	Everett, Mary, sail, 198 tons, 120 ft., (1867-1887), John Cooper, Wallaceburg.
Etta, stm., 13 tons, 40 ft., (1906), N. E. Picotte, Montreal, Que.	Express, stm., 4 tons, 35 ft., (1887), John B. Bowerman, Port Perry.
Euna, stm., 6 tons, 36 ft., (1878), D. W. Crowe, Chatham.	
Euphemia, stm., 29 tons, 47 ft., (1903), Wm. Hand, Port Dalhousie.	Fabiola, sail, 131 tons, 95 ft., (1852-1876), James Swift, Kingston.
Eureka, stm., 170 tons, 94 ft., (1893), The Minister of Marine and Fisheries, Ottawa.	Fair, Bella, stm., 7 tons, 50 ft., (1881), W. D. Kelley, Bridgenorth.
Eva, stm., 12 tons, 33 ft., (1870), Geo. Robertson, Jr., Kingston.	Fairlina, sail, 17 tons, 46 ft., (1880), Jas. Johns, Southampton.
Eva, stm., 34 tons, 72 ft., (1881), Irene Crandell, Lindsay.	†Fairmount, stm., 1895 tons, 248 ft., (1903), Montreal Transportation Co., Ltd., Montreal.
Eva Belle, stm., 10 tons, 34 ft., (1890), Wm. White, Midland.	Fairy, stm., 23 tons, 52 ft., (1878), F. B. Polson, Toronto.
Eva Belle, stm., 10 tons, 39 ft., (1892), The Commissioner of Fisheries, Toronto, Ont.	Fairy Queen, stm., 2 tons, 22 ft., (1888), Andrew Newlands, Galt.
Evangeline, stm., 24 tons, 60 ft., (1869), Chas. Sims and Thos. C. Sims, Little Creek, Algoma.	Falcon, stm., 13 tons, 40 ft., (1874), J. G. Richardson, Brockville.

Fearless, stm., 46 tons, 56 ft., (1886), Mrs. Sarah M. Carman, Iroquois.  
 Ferdinand, stm., 76 tons, 87 ft., (1905), F. Feebeaw, St. Antoine, Quebec.  
 Fida, stm., 2 tons, 24 ft., (—), Ben Almos, Jack Fish.  
 Fidelia, stm., 9 tons, 38 ft., (1897), A. W. Blackford, Toronto, Ont.  
 Filgate, paddle stm., 425 tons, 158 ft., (1879), The Montreal & Cornwall Nav. Co., Ltd., Cornwall, Ont.  
 Fire Fly, paddle stm., 214 tons, 108 ft., (1844-1855), Richelieu & Ont. Nav. Co., Montreal.  
 Fisher, Eliza, sail, 137 tons, 94 ft., (1867), R. C. Smith, Port Hope.  
 Fiske, Ed., stm., 69 tons, 66 ft., (1883), Can. Towing & Wrecking Co., Port Arthur, Ont.  
 Fitzhugh, Henry, sail, 300 tons, 138 ft., (1866), Parry Sound Lumber Co., Ltd., Parry Sound.  
 Flash, stm., 6 tons, 34 ft., (1899-1903), Mrs. Margaret Breeze, Peterborough.  
 Fleetwing, sail, 162 tons, 108 ft., (1863), Jos. Cochrane, et al., Colborne.  
 Fleetwing, stm., 7 tons, 30 ft., (1905), W. McMaster, Amherst Island, Ont.  
 Flight, stm., 37 tons, 57 ft., (1875), C. Jones, Brockville.  
 Flora, stm., 5 tons, 42 ft., (1892), W. J. Poupore, Morrisburg.  
 Florence, stm., 133 tons, 91 ft., (1883), Eugene Lamontague, Quebec, Que.  
 Florence, stm., 113 tons, 91 ft., (1885), J. Hackett, Amherstburg.  
 Florence, stm., 3 tons, 28 ft., (1894), John Mill- ing, Fredericksburg.  
 Florence, stm., 63 tons, 81 ft., (1881), The Otta- wa Transportation Co., Ltd., Ottawa.  
 Florence, stm., 27 tons, 54 ft., (1884), Lor- enzo McKenny, Huntsville.  
 Florence, stm., 3 tons, 36 ft., (1886), Chas. Elli- ott, Bradford.  
 Florence, sail, 32 tons, 60 ft., (1862), H. Com- peau, Belle River.  
 Florence, stm., 3 tons, 35 ft., (1905), R. C. Smith, Montreal, Que.  
 Florence, M., stm., 8 tons, 44 ft., (1897), J. McDonald, Sault Ste. Marie.  
 Florence, stm., 7 tons, 48 ft., (1901), E. P. Ainsworth, Brighton.  
 Florissant, stm., 3 tons, 30 ft., (1891), C. Elford, Toronto.  
 Flyer, stm., 4 tons, 39 ft., (1892), John Rogers, Port Sandfield.  
 Forester, stm., 5 tons, 32 ft., (1899), Thos. R. Woodside, Port Arthur.  
 Forrester, stm., 3 tons, 30 ft., (1885), J. Flintoft, Sarnia.  
 Fort Frances, sail, 26 tons, 52 ft., (1879), Fredk. Thomas Hooper, Kenora, Ont.  
 Forward, Jessie, stm., 6 tons, 36 ft., (1896), J. F. Walsh, Napanee.  
 Foster, Anna E., sail, 39 tons, 66 ft., (1877), W. Foster, Owen Sound.  
 Francis, Minnie, sail, 89 tons, 101 ft., (1885), G. B. Magee, Merrickville.  
 Frankie, stm., 24 tons, 41 ft., (1888), John Lee, Wallaceburg.

Fraser, B. M., stm., 50 tons, 69 ft., (1900), T. C. Sims, Little Current.	Gen. Weitzel, stm., 32 tons, 57 ft., (1881), W. H. Plummer, Sault Ste. Marie.
Freddie, stm., 5 tons, 28 ft., (1897), F. V. Rodgers, Richards Landing.	General Wolseley, paddle stm., 123 tons, 103 ft., (1884), John Nisbet, Owen Sound.
Friendship, sail, 24 tons, 60 ft., (1876), Mrs. Margaret Warden, Bronte.	Georgia, stm., 28 tons, 43 ft., (1885), John Sullivan, Little Current.
Frontenac, stm., 111 tons, 89 ft., (1901), The Calvin Co., Ltd., Garden Island.	Georgina, stm., 44 tons, 74 ft., (1893), Samuel Forrest, Fort William, Ont.
Frontenac, stm., 11 tons, 34 ft., (1903), W. J. A. Fraser, Ottawa, Ont.	Geraldine, stm., 65 tons, 66 ft., (1893), J. Galna, Parry Sound.
Fulton, E. A., sail, 288 tons, 137 ft., (1863), Frank Jackson and J. R. Philp, Toronto.	German, W. M., stm., 28 tons, 58 ft., (1888), Thos. H. Low, Port Dover.
Gales, John, sail, 42 tons, 70 ft., (1879), Joseph Lesperance, Belle River.	Germanic, stm., 1014 tons, 184 ft., (1899), Northern Nav. Co. of Ont., Ltd., Collingwood.
Garden City, paddle stm., 637 tons, 177 ft., (1892), Niagara, St. Catharines & Toronto Nav. Co., Ltd., Toronto.	Germanic, sail, 87 tons, 89 ft., (1906), A. Massicotte, St. Jean Deschillons, Que.
Garnet, stm., 385 tons, 140 ft., (1903), The Montreal Nav. Co., Ltd., Cornwall, Ont.	Gertie C., stm., 15 tons, 47 ft., (1899), The North Bruce Lumber Co., Ltd., Toronto, Ont.
Garnet, paddle stm., 152 tons, 124 ft., (1885), Montreal & Cornwall Nav. Co., Cornwall.	Gertie, stm., 53 tons, 58 ft., (1903), Samuel Forest, Ft. William.
Garnet, stm., 19 tons, 53 ft., (1889), James P. MacDonald, Minnassaga Island.	Gertie, Alma L., sail, 43 tons, 63 ft., (1906), A. Arseneau, Grindstone, Mag. Is., Que.
Gauthier, Gordon, stm., 26 tons, 52 ft., (1884), Dominion Fish Co., Ltd., Winnipeg, Man.	Gertrude, stm., 76 tons, 75 ft., (1886), The Toronto Ferry Co., Ltd., Toronto.
Gauthier, Harold, stm., 36 tons, 9 ft., (1888), O. E. Fleming, Windsor.	Gertrude, stm., 3 tons, 27 ft., (1895), P. F. Nolan, Brockville.
Geisha, stm., 20 tons, 50 ft., (1900), John Hendry, Toronto.	Gidley, J. G., stm., 57 tons, 70 ft., (1901), Thos. Conlon, Thorold.
Gem, stm., 27 tons, 51 ft., (1897), A. S. Stephenson Tp., Muskoka.	Gilbert, stm., 41 tons, 72 ft., (1884), Gilbert Bros. Engineering Co., Prescott, Ont.
	Gill, D., sail, 117 tons, 107 ft., (1906), W. Gill, Pierreville, Que.

Gill, Z., sail, 126 tons, 104 ft., (1906), W. Gill, Pierreville, Ont.

Gilphie, stm., 19 tons, 75 ft., (1884), A. F. Bowman, Southampton, Ont.

Gipsy, stm., 35 tons, 51 ft., (1906), F. W. Hendry, et al., Toronto, Ont.

Gladstone, sail, 175 tons, 102 ft., (1869), Thos. Currie, Seaforth.

Gladstone, W. E., stm., 45 tons, 72 ft., (1882), Chas. Lemcke and Chas. Pedwell, Lion's Head, Ont.

Glad Tidings, stm., 10 tons., 42 ft., (1902), Thos. W. Wood, Grillia, Ont.

Glenada, stm., 65 tons, 69 ft., (1904), Arthur Walton, Magnetawan.

Glengarry, stm., 732 tons, 170 ft., (1872-1886), Adolf Lomer, Montreal, Que.

Glenora, stm., 17 tons, 45 ft., (1900), H. W. Saxton, Bayham.

Glenrosa, stm., 63 tons, 66 ft., (1891), Arthur Walton, Magnetawan.

Glenvilla, stm., 8 tons, 36 ft., (1906), G. A. Le Baron, North Hatley, Que.

Glide, stm., 78 tons, 74 ft., (1866), Montreal Transp. Co., Ltd., Montreal.

Glide, stm., 80 tons, 72 ft., (1884), Wm. Lawlor, Hawkesbury, Ont.

Glyn, stm., 20 tons, 47 ft., (1900), S. Shipman, Richard's Landing.

Golden City, stm., 35 tons, 57 ft., (1873), Jas. W. McCoppin, Port Colborne.

Golden Harbor, sail, 42 tons, 68 ft., (1873), A. Ouelette, Belle River.

Gondola, sail, 91 tons, 102 ft., (1881), E. Hous-ton, Dresden.

Good News, sail, 18 tons, 42 ft., (1894), Wm. Appleton, Toronto, Ont.

Gorden, stm., 7 tons, 28 ft., (1904), J. Harty, Fort Frances, Ont.

Gordon, D. A., stm., 148 tons, 115 ft., (1902), Jchn Lee, Wallaceburg.

Gordon, M., stm., 3 tons, 30 ft., (1895), Henry W. Mackey, Keewatin.

Gordon, Mary S., sail, 28 tons, 56 ft., (1882), John D. Corstan, Owen Sound.

Governor Warmington, sail, 502 tons, 178 ft., (1872), E. W. & F. Hall, Ottawa, Ont.

Gracie, stm., 11 tons, 42 ft., (1894), Robert Smith, Cornwall, Ont.

Grande Piles, stm., 18 tons, 59 ft., (1904), A. Mongraw, St. Severin, Que.

Granger, sail, 21 tons, 50 ft., (1899), George Cadotte, Wolfe Island, Ont.

Grant, Kate, sail, 47 tons, 60 ft., (1880), Denis Parent, Tecumseh.

Grantham, sail, 325 tons, 140 ft., (1873), Ira A. Breck, Garden Island.

Gravenhurst, stm., 29 tons, 52 ft., (1902), Peter Campbell, Muskoka.

Gray, Dolly, stm., 5 tons, 35 ft., (1900), Wm. Howard, Baysville.

Great Western, paddle stmr., 1080 tons, 220 ft., (1866), Garnd Trunk Ry. Co., Montreal, Que.

Grêbe, stm., 9 tons, 38 ft., (1904), J. Seagel, Port Arthur, Ont.

Grenada, stm., 57 tons, 80 ft., (1883), A. Small-man, Dundee, Que.

Grey, Dolly, sail, 13 tons, 41 ft., (1906), A. Young, Lunenburg, Ont.

Grimsby, sail, 331 tons, 137 ft., (1874), Alexander Laplante, Lachine, Que.	†Hamilton, sail, 799 tons, 202 ft., (1901), Montreal Transportation Co., Ltd., Montreal.
Guest, sail, 11 tons, 45 ft., (1891), W. L. Carr, Kingsville.	Hamilton, H., stm., 22 tons, 36 ft., (1894), Geo. Gooderham, Toronto.
Gull, sail, 25 tons, 53 ft., (1865-1896), Peter Cote, Belleville.	Hanlon, John, stm., 37 tons, 71 ft., (1884), Lawrence Solman, Toronto.
Gwenola, sail, 4 tons, 35 ft., (1906), Hon. Justice Davidson, Montreal, Que.	Hannah, Arthur, sail, 22 tons, 47 ft., (1899), Andrew Bow and John Gillian, Toronto.
Gypsy, stm., 11 tons, 39 ft., (1902), Collins Inlet Lumber Co., Ltd., Toronto.	Harper, Jennie, G., stm., 20 tons, 48 ft., (1874), James Pilgrim, Meaford.
Gypsie, stm., 3 tons, 25 ft., (1899), Dickson Best, Petersburg.	Harrison, stm., 150 tons, 110 ft., (1864), E. J. Harrison, Owen Sound.
	Harvey, sail, 65 tons, 70 ft., (1897), Robt. Kennedy, Lindsay.
	Hastings, sail, 36 tons, 61 ft., (1897), Frank Burnett, Birdsall.
	Hattie Ann, sail, 51 tons, 84 ft., (1883), James Mullens, Belleville.
†Haddington, stm., 1603 tons, 256 ft., (1904), Mathews S. S. Co., Ltd., Toronto, Ont.	Hattie H., sail, 134 tons, 108 ft., (1888), The Ottawa Transportation Co., Ltd., Ottawa.
Hale, Lorne, stm., 22 tons, 37 ft., (1893), J. J. McFadden, Sault Ste. Marie, Ont.	Hawya, stm., 4 tons, 35 ft., (1896), J. C. Brennan, Ottawa.
Halcro, stm., 8 tons, 34 ft., (1889), John A. Boyd, Toronto.	Hazard, stm., 34 tons, 62 ft., (1892), E. Harris, Port Dover.
Haggart, John, stm., 184 tons, 99 ft., (1887), W. C. Fremlin, St. Joseph Island.	Hazlitt, paddle stm., 24 tons, 41 ft., (1902), The Dickson Co., Ltd., Peterborough.
Hall, stm., 247 tons, 102 ft., (1889), The Ottawa Forwarding Co., Ltd., Ottawa.	H. B., sail, 541 tons, 170 ft., (1890), Jas. Buckley, Prescott.
Hall, Mary P., stm., 104 tons, 82 ft., (1898), Montreal Transp. Co., Montreal, Que.	Heather Belle, stm., 20 tons, 50 ft., (1882), Emerson Danagh, Owen Sound.
Hamill, J. D., stm., 111 tons, 80 ft., (1904), Josiah Perks, et al., Meaford.	Heather Belle, stm., 21 tons, 39 ft., (1896), J. B. Davis, Kenora, Ont.
†Hamilton, paddle stm., 938 tons, 175 ft., (1847-1895), Richelieu & Ont., Nav. Co., Montreal.	Heather Belle, sail, 121 tons, 93 ft., (1868), R. Gawley, Eastnor.

Heather Belle, stm., 9 tons, 35 ft., (1902), Sidney E. McKinnon, Toronto.  
 Hebron, stm., 149 tons, 98 ft., (1899), Jas. H. Hall, et al., Ottawa.  
 Hector, stm., 66 tons, 67 ft., (1873), M. J. Hogan, St. Catharines, Ont.  
 Helen, sail, 61 tons, 79 ft., (1882), J. H. Goldring, Toronto.  
 Helen, stm., 5 tons, 34 ft., (1877), B. Mackie, Little Current.  
 Helen, stm., 3 tons, 25 ft., (1906), H. L. Bastien, Hamilton, Ont.  
 Helen, S., stm., 13 tons, 38 ft., J. W. Short, Kenora, Ont.  
 Helen S., stm., 86 tons, 80 ft., (1899), The Col-  
 lin's Inlet Lumber Co., Ltd., Toronto.  
 Helena, stm., 13 tons, 44 ft., (1877), Jos. C. Huckins, Toronto.  
 Henrietta, stm., 3 tons, 28 ft., (1894), J. Edwards, Hamilton.  
 Hepburn, stm., 15 tons, 50 ft., (1901), John H. Wilmot, Beaumaris.  
 Herbert, stm., 21 tons, 42 ft., (1897), James Con-  
 nor, Port Arthur.  
 Herbert M., stm., 26 tons, 43 ft., (1887), Chas.  
 Mickle, Gravenhurst.  
 Hercules, stm., 234 tons, 100 ft., (1906), Pol-  
 son Iron Wks. Co., Toronto, Ont.  
 Here C., stm., 7 tons, 49 ft., (1899), Mrs. Bar-  
 bara Davis, Kingston.  
 Hero, stm., 37 tons, 65 ft., (1861), Thos. Barrie,  
 Sombra, Ont.  
 Hertton, stm., 66 tons, 72 ft., (1906), W. Marl-  
 ton, Goderich, Ont.

Hewis, J. D., stm., 51 tons, 55 ft., (1892), David  
 Hewis, Midland.  
 Hiawatha, paddle stm., 22 tons, 48 ft., (1901),  
 R. Kennedy, Lindsay.  
 Hiawatha, sail, 518 tons, 176 ft., (1890),  
 Montreal Trans. Co., Ltd., Montreal, Que.  
 Hiawatha, stm., 163 tons, 92 ft., (1874), Sarnia  
 Tug & Transit Co., Sarnia.  
 Hiawatha, stm., 46 tons, 56 ft., (1895), Royal  
 Canadian Yacht Club, Toronto.  
 Hickler, Laura, stm., 13 tons, 46 ft., (1883),  
 W. W. Grant and C. H. Ramsey, Spanish  
 Sta.  
 Hickox, C., stm., 208 tons, 130 ft., (1873),  
 Mrs. A. Smith, Belleville, Ont.  
 Hiesordt, P. S., stm., 45 tons, 66 ft., (1887),  
 W. J. Bell, Sudbury.  
 High View Launch, stm., 2 tons, 25 ft., (1893),  
 Mrs. Maria McAllister, Pembroke.  
 Hilda, sail, 418 tons, 160 ft., (1898), Montreal  
 Trans. Co., Ltd., Montreal, Que.  
 Hill, Annie C., stm., 14 tons, 36 ft., (1890), John  
 Forsyth, Barrie.  
 Hiram, sail, 134 tons, 104 ft., (1876), R. M.  
 Easton, Merrickville.  
 Hodgkins, Evelyn, stm., 4 tons, 29 ft., (1888),  
 Freeman Hodgkins, Toronto.  
 Hodgson, Fred A., stm., 63 tons, 83 ft., (1890),  
 Arza Lymburner, Tp. Eastnor, Ont.  
 Holland, Grace, stm., 3 tons, 27 ft., (1901), Wm.  
 E. Bigwood, Toronto.  
 Home Rule, stm., 81 tons, 74 ft., (1890),  
 Miss A. M. Hackett, Amherstburg.



Home Rule, stm., 3 tons, 28 ft., (1887), Wilfred France, Penetanguishene.	Huron, sail, 475 tons, 160 ft., (1881), Montreal Trans. Co., Ltd., Montreal, Que.
Homer, sail, 25 tons, 47 ft., (1898), Robt. Kennedy, Lindsay.	Huron, stm., car ferry, 1052 tons, 238 ft., (1875), Grand Trunk Ry. Co., Montreal, Que.
Hope, sail, 25 tons, 54 ft., (1866), Edward Adamson, Toronto.	Huron Belle, stm., 27 tons, 50 ft., (1889), Geo. A. Fraser, Simcoe.
Hope, stm., 170 tons, 95 ft., (1870), Bridgeburg & Black Rock Ferry Co., Ltd., Fort Erie.	Huronic, stm., 3330 tons, 321 ft., (1902), Northern Nav. Co., of Ont., Ltd., Collingwood, Ont.
Hortense, Laure, sail, 50 tons, 66 ft., (1906), W. Bhercur, St. Fidele, Que.	Hydra, stm., 6 tons, 40 ft., (1892), Seth Benson, Deseronto.
Hosanna, stm., 89 tons, 58 ft., (1893), The Minister of Marine & Fisheries, Ottawa, Ont.	Hygeia, stm., 2 tons, 30 ft., (1886), Samuel May, Toronto.
Hotchkiss, Fred, stm., 18 tons, 48 ft., (1870), Muskoka Mill & Lumber Co., Toronto.	Iagara, stm., 7 tons, 40 ft., (1901), John H. Davis, Kingston.
Houghton, stm., 49 tons, 60 ft., (1863), N. Dyment, Barrie.	Ice, sail, 41 tons, 47 ft., (1891), Chas. Perrault, Sandwich.
Hudson, stm., 45 tons, 73 ft., (1899), H. E. Hudson & J. C. Hudson, Barry's Bay.	Ida, sail, 58 tons, 69 ft., (1885), W. C. Edwards, et al., Rockland.
Hugh, S., stm., 24 tons, 50 ft., (1897), Mrs. Hannah N. Stalker, Collingwood.	Ida, stm., 19 tons, 44 ft., (1887), Murdock, McInnes and A. B. Sutherland, Port Caldwell.
Humber, stm., 2 tons, 26 ft., (1906), C. T. Munroe, Canonoque, Ont.	Ida, stm., 21 tons, 46 ft., (1881), Arthur Starkey, Parry Sound.
Hume, Jessie, stm., 58 tons, 62 ft., (1894), Minister of Public Works, Ottawa.	Ida Bell, stm., 6 tons, 28 ft., (1890), Chas. Bates, Clear Creek, Ont.
Hunter, stm., 11 tons, 30 ft., (1903), Wm. H. Boucha, Kenora, Ont.	Ida Bell, sail, 97 tons, 87 ft., (1874), Jas. W. Wye, Kingsville.
Hunter, Isaac, sail, 23 tons, 50 ft., (1906), Colonial Lumber Co., Pembroke, Ont.	Ida M., stm., 14 tons, 60 ft., (1890), John McCormick, Pelee Island.
Hunter, John, stm., 32 tons, 54 ft., (1885), James Murray, St. Catharines.	Idle Hour, 2 tons, — ft., (1894), R. S. Moffatt, Peterborough.
Hunter, Nellie, sail, 172 tons, 101 ft., (1874), Jos. Darian, Lanoraie, Que.	
Huron, stm., 70 tons, 71 ft., (1882), The Ontario Lumber Co., Toronto.	

Idle Wild, sail, 19 tons, 49 ft., (1882), A. Rochfort, Kingston.	Irene, stm., 3 tons, 25 ft., (1892), Harry Leslie, Port Colborne.
Illicilliwaet, stm., 16 tons, 50 ft., (1897), J. M. Walsh, Brockville.	Irene, stm., 3 tons, 31 ft., (1881), Chas. Wynn, Peterboro.
Imperial, stm., 36 tons, 54 ft., (1876), James Ganley, Sault Ste. Marie.	Irene, stm., 24 tons, 26 ft., (1887), Thos. Christie, Hamilton.
Ina, stm., 27 tons, 53 ft., (1904), John Galna and R. W. Dauter, Parry Sound.	Irene, stm., 7 tons, 42 ft., (1887), Geo. F. Oakley and T. H. Allen, Toronto.
Ina, stm., 14 tons, 56 ft., (1901), Wm. J. Gage, Toronto.	Irene, stm., 45 tons, 69 ft., (1887), Ira Hill, Midland, Ont.
India, stm., 976 tons, 215 ft., (1899), The Calvin Co., Ltd., Garden Island.	Iris, stm., 16 tons, 47 ft., (1903), Francis W. Merchant, London.
Inez, stm., 59 tons, 65 ft., (1884), Jas. Murphy, Fort William.	Iroquois, sail, 361 tons, 141 ft., (1875), Montreal Trans. Co., Ltd., Montreal, Que.
Inez, stm., 2 tons, 24 ft., (1889), Geo. T. Tuckett, Hamilton.	Iroquois, stm., 240 tons, 104 ft., (1902), Goderich Engine & Bicycle Co., Ltd., Goderich.
Inn, The, stm., 2 tons, 25 ft., (1905), F. J. Henderson, Gananoque, Ont.	Iroquois, stm., 2 tons, 22 ft., (1903), Mrs. F. A. Price, Massanoga.
†International, stm., 851 tons, 210 ft., (1872), L. E. & Det. River Ry. Co., Walkerville, Ont.	†Iroquois, The, stm., 2359 tons, 260 ft., (1902), St. Lawrence & Chicago S. N. Co., Ltd., Toronto, Can.
International, stm., 395 tons, 182 ft., (1881), Can. Pac. Car & Pass. Transfer Co., Ltd., Prescott.	Isabella, sail, 33 tons, 57 ft., (1875), A. Ouellette, Belle River.
Inter-Ocean, stm., 144 tons, 103 ft., (1881), The Muskoka & Nipissing Nav. Co., Gravenhurst.	Ishkoodah, stm., 3 tons, 30 ft., (1893), G. S. Ryerson, Toronto.
Interocean, 148 tons, 74 ft., (1888), E. G. Shortis, Wallaceburg.	Isis, sail, 96 tons, 105 ft., (1884), P. Larkin, St. Catharines, Ont., and A. Sangster, Iroquois.
Iona, stm., 232 tons, 123 ft., (1892), E. A. Hall, L'Original.	Island Belle, stm., 31 tons, 64 ft., (1882), J. Garrock, Sarnia.
Iota, stm., 6 tons, 34 ft., (1894), G. Hamilton, Spanish River.	Islander, stm., 242 tons, 78 ft., (1905), F. Simpson, Toronto, Ont.
Ireland, sail, 339 tons, 147 ft., (1863), James Buckley, Prescott.	Island Queen, stm., 98 tons, 91 ft., (1887), L. J. Cosgrove and P. J. Craig, Toronto.
Ireland, W. S., stm., 105 tons, 86 ft., (1872), John Cooper, Chatham.	

Island Queen, sail, 28 tons, 52 ft., (1897), Mary Raines, Toronto.	Jessie, stm., 9 tons, 31 ft., (1900), Stanley Burton, Peterborough.
Island Queen, stm., 129 tons, 97 ft., (1905), The Toronto Ferry Co., Ltd., Toronto.	Jessie, M., stm., 14 tons, 42 ft., (1903), Alphonse Metive, Algoma Mills.
Islander, stm., 165 tons, 100 ft., (1900), The Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.	Jessie, sail, 29 tons, 63 ft., (1869), R. Kimberley, Portland.
Islay, stm., 175 tons, 116 ft., (1895), Chas. McInness, Orillia.	Jet, sail, 312 tons, 137 ft., (1871), Montreal Trans. Co., Ltd., Montreal, Que.
Ivan, Edna, stm., 54 tons, 79 ft., (1900), James Purvis, Gore Bay.	J. E. W. H., sail, 73 tons, 76 ft., (1906), Mrs. E. Heppell, Bic, Que.
Ivy, stm., 7 tons, 44 ft., (1884), D. B. MacLennan, Cornwall.	J. M. No. 1, sail, 73 tons, 75 ft., (1890), Jos. Maunder, Lindsay.
Jackman, Frank, stm., 39 tons, 65 ft., (1868), W. J. Finn, et al., Montreal, Que.	J. M. No. 2, sail, 80 tons, 75 ft., (1890), Jos. Maunder, Lindsay.
James, sail, 153 tons, 108 ft., (1882), The Ottawa Transp. Co., Ltd., Ottawa.	J. M. K. No. 1, sail, 64 tons, 86 ft., (1897), W. J. C. Boyd, Bobcaygeon.
Jameson, Wm., sail, 143 tons, 100 ft., (1878), D. Galbraith, Whitby.	J. M. K. No. 3, sail, 72 tons, 81 ft., (1897), W. J. C. Boyd, Bobcaygeon.
Jarmin, T. J., stm., 47 tons, 60 ft., (1889), C. S. Boone, Toronto, Ont.	J. M. K. No. 4, sail, 66 tons, 72 ft., (1897), W. J. C. Boyd, Bobcaygeon.
J. B. P. No. 1, sail, 65 tons, 70 ft., (1891), Jos. Briggs Parkin, Lindsay.	J. M. K. No. 5, sail, 59 tons, 74 ft., (1897), W. J. C. Boyd, Bobcaygeon.
J. B. P. No. 2, sail, 29 tons, 38 ft., (1897), Jos. Briggs Parkin, Lindsay.	J. M. K. No. 6, sail, 53 tons, 64 ft., (1897), W. J. C. Boyd, Bobcaygeon.
Jean, stm., 21 tons, 49 ft., (1889), H. P. Boyd, Port Burwell, Ont.	J. M. K. No. 7, sail, 47 tons, 62 ft., (1897), W. J. C. Boyd, Bobcaygeon.
Jean, stm., 7 tons, 35 ft., (1905), C. O. Clark, St. Paul, Que.	J. M. K. No. 8, sail, 46 tons, 62 ft., (1892), W. J. C. Boyd, Bobcaygeon.
Jennie, A. H., stm., 197 tons, 119 ft., (1882), Agnes M. Britnell, Toronto, Ont.	Jos. stm., 57 tons, 65 ft., (1900), The Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville.
Jerry, Gordon, stm., 124 tons, 102 ft., (1894), S. W. Marchmont, Toronto.	Johanna, sail, 40 tons, 60 ft., (1867), M. Thibert, Jr., Belle River.

Johnston, Wm., stm., 95 tons, 85 ft., (1878), **The**  
 Calvin Co., Ltd., Garden Island.  
 Jolly Four, stm., 10 tons, 36 ft., (....), Harry  
 Oldfield, Parry Sound.  
 Jones, Birdie, stm., 2 tons, 28 ft., (1885), A. W.  
 Jones, Ottawa.  
 Jones, C. W., stm., 48 tons, 56 ft., (1885), R. D.  
 Weddell, Trenton.  
 Jones, Charlie, stm., 16 tons, 43 ft., (1904),  
 Charlie Jones, Owen Sound.  
 Jopl, stm., 11 tons, 52 ft., (1895), John Paul,  
 Newboro.  
 Jordan, John, stm., 6 tons, 29 ft., (1896), Blind  
 River Towing Co., Blind River.  
 Josie, stm., 12 tons, 32 ft., (1897), D. L. Mather,  
 Kenora, Ont.  
 J. R. A. No. 1, sail, 43 tons, 60 ft., (1884), W.  
 Marleton, Goderich.  
 J. R. A. No. 2, sail, 43 tons, 60 ft., (1884), W.  
 Marleton, Goderich.  
 Juanita, stm., 3 tons, 30 ft., (1880), James Mor-  
 eau, Port Severn.  
 Jubilee, stm., 10 tons, 53 ft., (1888), J. H.  
 Ferguson, et al., Blenheim.  
 Jubilee, stm., 3 tons, 30 ft., (1887), Jos. S. Wal-  
 lace, Port Carling.  
 Jumbo, sail, 150 tons, 136 ft., (1880), Can. Pac.  
 Car & Pass. Transfer Co., Ltd., Prescott.  
 Juno, stm., 288 tons, 139 ft., (1885), W. J. Pul-  
 ling, Windsor, Ont.  
 Juno, stm., 28 tons, 62 ft., (1887), Dominion  
 Fish Co., Winnipeg, Man.  
 Kaministiquia, stm., 150 tons, 109 ft., (1886),  
 A. G. Thompson, Port Arthur, Ont.

Kate, stm., 15 tons, 63 ft., (1902), H. M. Mowat,  
 Toronto.  
 Kate, stm., 63 tons, 63 ft., (1899), J. Gauley,  
 Sault Ste. Marie, Ont.  
 Kathadin, sail, 381 tons, 150 ft., (1888), Spanish  
 River Lumber Co., Spanish River.  
 Kathleen, stm., 110 tons, 84 ft., (1886), **The**  
 Toronto Ferry Co., Ltd., Toronto.  
 Kathleen, stm., 51 tons, 60 ft., (1899), A.  
 Robertson, Kenora, Ont.  
 Katie, stm., 4 tons, 30 ft., (1896), C. P. Chris-  
 topher, Oakville.  
 Kawartha, stm., 17 tons, 46 ft., (1900), **William**  
 Burgoyne, Fenelon Falls.  
 Kecsake, sail, 45 tons, 72 ft., (1880), **Horace**  
 Fleury, Belle River.  
 Keewatin, stm., 82 tons, 89 ft., (1899), J. T.  
 Horne, Fort William, Ont.  
 Keewatin, sail, 199 tons, 120 ft., (1888), A.  
 Campbell, Lakeport.  
 Kegabonga, stm., 14 tons, 36 ft., (1899), Gil-  
 mour & Hughson, Ltd., Hull, Que.  
 Kenirving, stm., 145 tons, 104 ft., (1900), **Ed-**  
 ward Smith, Storrington.  
 Kennedy, Susie, stm., 4 tons, 27 ft., (1904),  
 M. Burton, Barrie, Ont.  
 Kenneth, stm., 4 tons, 38 ft., (1889), Geo. Mor-  
 row, Cornwall.  
 Kenosha, paddle stmtr., 266 tons, 112 ft., (1891),  
 Jos. B. Parkin, Lindsay.  
 Kenozha, stm., 225 tons, 100 ft., (1883), **The**  
 Muskoka & Nipissing Nav. Co., Graven-  
 hurst.  
 Kestrel, stm., 7 tons, 38 ft., (1900), James Play-  
 fair, Midland.

Kilbirnie, stm., 15 tons, 45 ft., (1887), R. J. Brodie, Smith's Falls.	Lady Ida, paddle stm., 28 tons, 54 ft., (1878), John Eldridge, Omemece.
Kildare, stm., 5 tons, 32 ft., (1901), Wm. La-frelle, Hamilton.	Lady of the Lake, stm., 7 tons, 41 ft., (1902), Chas. J. Gibson, Toronto.
Killarney Belle, stm., 28 tons, 52 ft., (1892), Dominion Fish Co., Ltd., Winnipeg, Man.	Lady of the Lake, stm., 47 tons, 70 ft., (1902), Frank Henman, Thornbury.
†King Edward, stm., 571 tons, 175 ft., (1891), Algoma Central S. S. Line, Sault Ste. Marie.	Lady of the Lake, stm., 33 tons, 60 ft., (1897), W. B. Kelly, Bridgenorth.
King, Eureka, sail, 130 tons, 110 ft., (1887), Allan J. Holloway, Toronto.	Lady of the Lake, stm., 10 tons, 49 ft., (1886), The Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Huntsville.
†Kingston, paddle stm., 292½ tons, 288 ft., (1901), Richelieu & Ont. Nav. Co., Montreal, Que.	Lady Smith, stm., 6 tons, 40 ft., (1893), Chas. C. Pilkey, Orillia.
Kismet, stm., 5 tons, 36 ft., (1894), E. B. Burrell, Belleville.	Lady Smith, sail, 76 tons, 86 ft., (1900), Wm. H. White, Lakefield.
Klein, stm., 15 tons, 39 ft., (1903), Mrs. Elizabeth A. Knowles, Toronto.	Lake, stm., 13 tons, 40 ft., (1901), Fred D. Brown, Toronto.
Klondike, stm., 2 tons, 25 ft., (1898), E. W. Jenkins, Magnetawan.	Lake, Annie, stm., 19 tons, 64 ft., (1894), J. C. Lake, Belleville.
Knight, Joe, stm., 14 tons, 35 ft., (1867), James Murray, St. Catharines, Ont.	Lake Joseph, stm., 28 tons, 52 ft., (1800), The Muskoka & Nipissing Nav. Co., Ltd., Gravenhurst.
Kolfage, John G., sail, 88 tons, 79 ft., (1869-1883), Peter McEwen, Goderich.	Lake Michigan, stm., 588 tons, 136 ft., (1872), Malcolm McKenzie, Sarnia, Ont.
Kuskanook, stm., 1008 tons, 193 ft., (1906), C. P. R., Montreal, Que.	Lakefield, stm., 33 tons, 63 ft., (1904), Frank and A. F. Stanton, Sparrow Lake, Muskoka.
La Belle, stm., 75 tons, 72 ft., (1879), H. A. Hackett, Amherstburg.	Lakeside, stm., 348 tons, 121 ft., (1888), Lakeside Nav. Co., Ltd., Walkerville.
Ladas, stm., 54 tons, 73 ft., (1894), Victoria Harbor Lumber Co., Ltd., Toronto.	Lala, sail, 45 tons, 67 ft., (1904), Jas. Richardson Co., Matane, Que.
Lady Franklin, stm., 5 tons, 36 ft., (1901), Thos. Stanton, Sparrow Lake.	Lancaster, stm., 40 tons, 65 ft., (1895), L. Marcl, Lancaster, Ont.
Lady Grey, stm., 733 tons, 172 ft., (1906), Minister of Marine & Fisheries, Ottawa, Ont.	

- †Lansdowne, pass. stm., 1571 tons, 294 ft., (1884),  
     G. T. R. Co., Montreal, Que.  
 Laprairie, paddle stm., 600 tons, 197 ft., (1869-  
 1894), Richelieu & Ont. Nav. Co., Montreal.  
 Lapwing, sail, 516 tons, 175 ft., (1892), The  
 Montreal Trans. Co., Ltd., Montreal, Que.  
 Lark, sail, 303 tons, 136 ft., (1871), The Mon-  
 treal Trans. Co., Ltd., Montreal, Que.  
 Larkin, Hubert, stm., 49 tons, 61 ft., (1882), W.  
     J. Poupore, Ottawa.  
 Larned, L. C., sail, 43 tons, 72 ft., (1875), D. W.  
     Crowe, Chatham.  
 Larson, Julia, sail, 61 tons, 72 ft., (1877), Thoms.  
     Strong, Port Elgin.  
 Lassie, stm., 6 tons, 36 ft., (1903), T. A. Fraser,  
     Hastings.  
 La Tugue, stm., 110 tons, 76 ft., (1906), O.  
     Laing & M. Cloutier, Gr. Piles, Que.  
 Laughlin, Mary A., 23 tons, 48 ft., (1871), J.  
     J. Westgate, Montreal, Que.  
 Laura B., stm., 2 tons, 25 ft., (1906), G. A.  
     Whitmarsh, Gananoque, Ont.  
 Laura D., sail, 36 tons, 64 ft., (1884), Richard  
     La Rush, Kingston.  
 Laura Grace, stm., 86 tons, 76 ft., (1901), The  
     Lake Superior Tug Co., Ltd., Port Arthur.  
 Laura M., stm., 18 tons, 44 ft., (1894), N.  
     Jorgensen, Port Caldwell, Ont.  
 Laura Mc., stm., 2 tons, 26 ft., (1900), Thos.  
     McConnell Lindsay.  
 Laverdure, E. G., stm., 54 tons, 66 ft., (1889),  
     E. A. D. Morgan, Montreal, Que.  
 †Leafield, stm., 1454 tons, 249 ft., (1892), Al-  
     goma Central S. S. Line, Sault Ste. Marie.
- Lee, stm., 9 tons, 46 ft., (1897), J. McGraw,  
     Brockville.  
 Lee, Geo. W., sail, 8 tons, 32 ft., (1876), A.  
     Covell, Brighton.  
 Lee, Senior, John, stm., 88 tons, 86 ft., (1888),  
     John Lee, Sr., Wallaceburg.  
 Leeson, Margaret Jane, sail, 148 tons, 113 ft.,  
     (1879), Joseph Battle, Thorold, Ont.  
 Leighton, James, stm., 23 tons, 39 ft., (1875),  
     James Leighton, Port Elgin.  
 Leina, stm., 14 tons, 45 ft., (1898), Edw. W.  
     and Allan Ross, J. O. Tp. of Dunne.  
 Lenore, stm., 6 tons, 39 ft., (1887), H. Dennis,  
     Coburg.  
 Leone, stm., 4 tons, 37 ft., (1899), Frederick  
     Huck, Rockport.  
 Lewis, Elgin L., stm., 50 tons, 7 ft., (1904),  
     H. E. McKee, Sturgeon Falls, Ont.  
 Lewis, stm., 1 ton, 24 ft., (1887), John Bradley,  
     Dundas.  
 Lia, sail, 21 tons, 53 ft., (1888), James Eccles,  
     Belleville.  
 Libbie, stm., 3 tons, 28 ft., (1899), Wellington  
     McDonald, Lakefield.  
 Liewudin, Minnie, sail, 64 tons, 94 ft., (1878),  
     C. F. Gildersleeve, Kingston.  
 Liliat, stm., 2 tons, 36 ft., (1902), Thos. F.  
     Ahearn, Ottawa.  
 Lillian, stm., 6 tons, 30 ft., (1893), Chas.  
     Martin, Jr., Simcoe.  
 Lillian, stm., 2 tons, 26 ft., (1896), S. G. Lind-  
     say, Ottawa.  
 Lillian, sail, 20 tons, 55 ft., (1859), James Blow-  
     ers, Toronto.

Lillie, stm., 3 tons, 32 ft., (1888), A. Ferguson, Escott.	Lothair, stm., 413 tons, 129 ft., (1872), J. C. Miller, Parry Sound.
Lillie, stm., 50 tons, 70 ft., (1885), S. J. Sanford, Barrie.	Lotus, stm., 7 tons, 42 ft., (1884-1901), Wm. Berry, Port Stanley.
Lillie, sail, 46 tons, 70 ft., (1884), Julia Neveaux, Windsor.	Lotus, stm., 26 tons, 44 ft., (1906), J. H. Wilcott, Beaumaris, Ont.
Lilly, stm., 22 tons, 50 ft., (1890), The Victoria Harbor Lumber Co., Ltd., Toronto.	Lotus, sail, 56 tons, 45 ft., (1889), R. B. Rogers, Peterborough.
Lilly May, stm., 10 tons, 32 ft., (1895), United Factories, Ltd., Toronto.	Louisa, stm., 6 tons, 26 ft., (1875), C. Cottrell, Sault Ste. Marie.
Linden, stm., 4 tons, 40 ft., (1902), Henry Walton, Magnetawan.	Louisa, sail, 30 tons, 54 ft., (1866), Amos Little, Wallaceburg.
Lion, stm., 5 tons, 31 ft., (1902), Albert McCallum, Toronto.	Louisa, stm., 13 tons, 55 ft., (1902), John Lee, Sr., Wallaceburg.
Lithophone, sail, 14 tons, 55 ft., (1881), Walter G. Naish, Port Credit.	Lovering, H. L., stm., 55 tons, 62 ft., (1883), Georgian Bay Lumber Co., Ltd., Waukegan, Ont.
Little Gem, stm., 2 tons, 24 ft., (1886), Henry Groff, Sincoc.	Lozen, Lucinda, sail, 33 tons, 56 ft., (1869), John McCormick, Pelee Island.
Lizzie May, stm., 18 tons, 55 ft., (1897), D. C. Wilman & H. Bennett, Monitoulin Isld., Ont.	Lucille, stm., 30 tons, 62 ft., (1889), G. Beck Mfg. Co., Ltd., Penetanguishene.
Llano, stm., 14 tons, 53 ft., (1900), Elmore Harris, Toronto.	Lucina, stm., 32 tons, 47 ft., (1905), J. Ford Jr., Portneuf, Que.
Locke, P. B., sail, 305 tons, 134 ft., (1888), Michael J. Haney, Toronto.	Lucella, stm., 38 tons, 66 ft., (1880), The Toronto Ferry Co., Ltd., Toronto.
Logie, John, stm., 37 tons, 76 ft., (1893), John Logie, Southampton.	Luff, Sophia J., sail, 252 tons, 140 ft., (1886), Geo. Plunkett, et al., Cobourg.
Longueuil, paddle stm., 379 tons, 170 ft., (1884-1900), Richelieu & Ont. Nav. Co., Montreal.	Lurline, stm., 66 tons, 78 ft., (1888), J. H. Walker, Walkerville.
Lorielie, stm., 6 tons, 38 ft., (1899), Melville Strickland, Lakefield.	Lydon, Mary Ann, sail, 180 tons, 112 ft., (1874), Matthew Patterson, Kingston, Ont.
Lorraine, sail, 63 tons, 81 ft., (1882), Jno. S. Phillips, Wolfe Island.	Lydon C., stm., 19 tons, 55 ft., (1900), Mrs. Elizabeth Rude, Sorel.

- McAulay, Frank G., stm., 43 tons, 67 ft., (1898),  
D. McAulay, Southampton.  
McBride, John, sail, 42 tons, 58 ft., (1877), Ed.  
Quinn, Belleville.  
McCarthy, D'Alton, stm., 54 tons, 66 ft., (1893),  
Dominion Fish Co., Ltd., Winnipeg, Man.  
McCarthy, Leighton, stm., 36 tons, 63 ft.,  
(1904), W. A. Clarke, Collingwood.  
McClintock, stm., 21 tons, 36 ft., (1894), R. C.  
Carter, Deseronto.  
McD. & C., No. 1, sail, 61 tons, 66 ft., (1897),  
John Carew, Lindsay.  
McD. & C., No. 2, sail, 54 tons, 62 ft., (1897),  
John Carew, Lindsay.  
McDonald, J. H., stm., 41 tons, 65 ft., (1902),  
J. P. McDonald, Blind River.  
McDonald, John, stm., 24 tons, 48 ft., (1879),  
Ottawa Trans. Co., Ltd., Ottawa.  
McDonald, M. G., stm., 29 tons, 58 ft., (1895),  
J. P. McDonald, Blind River.  
McDonald, Mabel, stm., 42 tons, 64 ft., (1891),  
Alex. Manning and R. McDonald, To-  
ronto.  
McDonald, Robert, sail, 44 tons, 70 ft.  
(1890), Jas. H. Bell, Kingston.  
McIntosh, G. P., stm., 58 tons, 78 ft., (1888),  
Dominion Fish Co., Ltd., Winnipeg, Man.  
McKeon, James, stm., 36 tons, 52 ft., (1893),  
Blind River Towing Co., Ltd., Sarnia.  
McLean Bros., stm., 2 tons, 22 ft., (1900), Frank  
H. McLean, Stratford.  
McLean, Maggie, stm., 37 tons, 69 ft., (1886),  
French River Boac Co., Essex.  
McLean, R. A., stm., 30 tons, 49 ft., (1873),  
Mrs. Margaret McLean, Sault Ste. Marie.
- McMahon, Agnes, stm., 81 tons, 96 ft., (1879),  
I. Clement, Montreal, Que.  
McMaugh, Heward, stm., 42 tons, 47 ft.,  
(1898), M. P. Davis, Ottawa.  
McPherson, R. B., stm., 30 tons, 53 ft., (1872),  
James Morrow, Collingwood.  
McRae, Wm. F., stm., 46 tons, 65 ft., (1880), J.  
Mayhew, Moore.  
McVea, E. J., sail, 278 tons, 140 ft., (1873), W. W.  
Stover, Sombra.  
M. & W., stm., 8 tons, 40 ft., (1902), David A.  
Mitchell, Ganonoque.  
Mabel, stm., 11 tons, 39 ft., (1886), R. Miller and  
J. Miller, Ingersoll.  
Mabel, sail, 59 tons, 87 ft., (1883), Wm. Jones,  
Belleville.  
Mabel C., stm., 4 tons, 25 ft., (1893), Minister of  
Interior, Ottawa.  
Mabel G., sail, 82 tons, 50 ft., (1899), W. M.  
Thompson, Penetanguishene.  
Mabel G., stm., 10 tons, 36 ft., (1898), Wm. McM.  
Thompson, Penetanguishene.  
Mabel M., stm., 7 tons, 39 ft., (1901), Andrew  
Campbell, Port Elgin.  
Mac, Jennie, stm., 5 tons, 33 ft., (1899), C. B.  
McAllister, Peterborough.  
†Macassa, stm., 459 tons, 154 ft., (1888 and  
1905), Hamilton Stbt. Co., Ltd., Hamilton.  
Macdonald, Mabel, stm., 42 tons, 64 ft., (1891),  
Alexander Manning and R. Macdonald,  
Toronto.  
• Macdonald, Robt., sail, 44 tons, 70 ft., (1890),  
A. Matthews, Picton, Ont.  
Macfarlane, Lilly, sail, 14 tons, 44 ft., (1872),  
Lionel Yorke, Toronto, Ont.



Madcap, sail, 20 tons, 52 ft., (1888), Jos. Dewsberry, Belleville.	Majestic, stm., 1578 tons, 209 ft., (1895), Northern Nav. Co. of Ont., Ltd., Collingwood.
Madelaine, sail, 39 tons, 69 ft., (1882), Geo. Parker, Dumbarton.	Majestic, stm., 68 tons, 76 ft., (1897), P. P. Young, Young's Point.
Madge, sail, 335 tons, 130 ft., (1897), St. Lawrence Terminal Co., Ltd., Quebec, Que.	Malinche, stm., 7 tons, 37 ft., (1904), Capt. W. J. Murphy, Morrisburg.
Madge, stm., 7 tons, 40 ft., (1902), A. W. Hepburn, Picton.	Malta, sail, 193 tons, 137 ft., (1868), Mrs. Mary M. Blodgett, Windsor.
Madge, stm., 9 tons, 36 ft., (1898), P. C. Jones, Belleville.	Mamie, sail, 370 tons, 129 ft., (1897), St. Lawrence Terminal Co., Ltd., Quebec, Que.
Maggie, stm., 37 tons, 62 ft., (1873), Edward Armstrong, Port Colborne.	Maneta, stm., 34 tons, 66 ft., (1900), Geo. A. Smith, Bobcaygeon.
Maggie L., sail, 42 tons, 67 ft., (1889), Richard La Rush, Kingston.	Manistique, stm., 474 tons, 151 ft., (1882), The Sarnia Bay Towing & Salvage Co., Ltd., Sarnia.
Maggie May, stm., 29 tons, 51 ft., (1891), Thos. Weir, Chatham.	+Manitoba, stm., 2616 tons, 303 ft., (1889), Canadian Pacific Ry. Co., Montreal, Que.
Maggie May, stm., 46 tons, 58 ft., (1889), W. Farr, Jr., Parry Sound.	Manitoba, sail, 80 tons, 87 ft., (1872), Adam Foster, Smith's Falls.
Magnolia, stm., 367 tons, 136 ft., (1898), The Midland Towing & Wrecking Co., Ltd., Midland, Ont.	Manitoba, sail, 75 tons, 103 ft., (1882), Benjamin Tett, Bedford Mills.
Maida, stm., 3 tons, 29 ft., (1888), T. J. Bateman, Sheguindah.	Manitou, stm., 470 tons, 137 ft., (1903), Dominion Fish Co., Winnipeg, Man.
Maid of the Mist, stm., 62 tons, 71 ft., (1885), Richard Carter, Niagara Falls.	Manly, Geo., sail, 284 tons, 142 ft., (1871), W. A. Clark, Jr., et al., Collingwood.
Main, Florence, stm., 79 tons, 82 ft., (1901), C. O. Shaw, Huntville.	Manoa, sail, 34 tons, 60 ft., (1906), H. B. Ames, Montreal, Que.
Maisonneuve, stm., 26 tons, 75 ft., (1894), Minister of Marine & Fisheries, Ottawa.	Manolia, stm., 6 tons, 30 ft., (1898), Fred Mills, Tp. of Monck.
Maitland, Thos., stm., 107 tons, 89 ft., (1899), J. W. Maitland, Owen Sound.	Maple Leaf, stm., 5 tons, 30 ft., (1902), John Boon, Rosport.
Maize, sail, 294 tons, 136 ft., (1856), Wm. G. Mathews, Lakeport.	Maple Leaf, stm., 12 tons, 37 ft., (1892), S. Brown, Bracebridge, Ont.

Maple Leaf, stm., 7 tons, 38 ft., (1891), Gardner Boyd, Toronto.  
 Maple Leaf, stm., 32 tons, 53 ft., (1898), Huntsville Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.  
 Maple Leaf, stm., 26 tons, 59 ft., (1884), Kennedy & Davis Milling Co., Ltd., Lindsay.  
 Maple Leaf, sail, 28 tons, 47 ft., (1871-1890), Wm. Berry, Pt. Stanley.  
 Maple Leaf, sail, 59 tons, 70 ft., (1886), Richard Goldring, Toronto.  
 Marchmont, S. W., stm., 89 tons, 97 ft., (—), E. Bedford & T. Hough, East Toronto, Ont.  
 Margherita, stm., 31 tons, 57 ft., (1899), James Playfair, Midland.  
 Marguerite, stm., 6 tons, 28 ft., (1902), M. H. & Robt. Smith, Fort Frances, Ont.  
 Marguerite, stm., 8 tons, 35 ft., (1879), John Anderson, Windsor.  
 Maria, stm., 31 tons, 49 ft., (1901), W. J. Poupore, Ottawa.  
 Maria Annette, sail, 196 tons, 125 ft., (1867), R. Henning, Port Hope.  
 Marie, stm., 3 tons, 34 ft., (1895), E. L. Davis, Fort Frances, Ont.  
 Marie Louise, stm., 32 tons, 51 ft., (1900), Jos. Briggs Parkin, Lindsay.  
 Marie Stella, sail, 143 tons, 107 ft., (1898), J. Donnelly, Jr., Kingston.  
 Marks, Kate, stm., 54 tons, 52 ft., (1875), Thos. Marks, Port Arthur.  
 Marmora, stm., 13 tons, 35 ft., (1896), Geo. B. Blocker, Marmora.

Marshall, Charlie, sail, 206 tons, 122 ft., (1881), Geo. Plunkett and D. Rooney, Jr., Cobourg.  
 Martha, stm., 2 tons, 28 ft., (1902), Mrs. Martha Wessels, Kingston.  
 Martha Ann, sail, 38 tons, 83 ft., (1876), P. M. Frederick, Belleville.  
 Martin, Minnie, stm., 10 tons, 30 ft., (1892), Chas. Martin, Port Severn.  
 Marwick, David, stm., 30 tons, 60 ft., (1905), W. Leslie, Tobermory, Ont.  
 Mary, stm., 62 tons, 64 ft., (1874), P. Larkin, St. Catharines.  
 Mary, sail, 87 tons, 84 ft., (1877), Andrew Baird, Toronto.  
 Mary Ann, sail, 57 tons, 78 ft., (1867), Pigeon River Lumber Co., Port Arthur.  
 Mary Ellen, paddle stm., 81 tons, 55 ft., (1868), Wm. Needler, Lindsay.  
 Mary Ellen, stm., 20 tons, 57 ft., (1896), J. Jessamer and M. Jessamer, Cornwall, Ont.  
 Mary Ethel, paddle stm., 99 tons, 93 ft., (1879), Trenton & Bay of Quinte Nav. Co., Ltd., Trenton.  
 Mary Louise, stm., 64 tons, 68 ft., (1884), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Huntsville.  
 Mary Louise, sail, 46 tons, 77 ft., (1902), John Brooker, Athens, Ont.  
 Mary R., stm., 44 tons, 47 ft., (1897), David McLeod, Port Colborne.  
 Mascot, stm., 21 tons, 52 ft., (1890), James Pilgrim, Meaford.

Mascotte, stm., 49 tons, 70 ft., (1886), The Toronto Ferry Co., Ltd., Toronto.	May Bird, stm., 46 tons, 76 ft., (1893), G. Hastings and S. W. Marchmont, Toronto.
Maset, stm., 8 tons, 36 ft., (1900), Geo. Drewry, Kenora, Ont.	May Flower, stm., 26 tons, 49 ft., (1890), F. Morrua, Waubaushene.
Mason, Maggie, stm., 56 tons, 53 ft., (1882), O. Matthews and A. Matthews, St. Catharines.	May Flower, stm., 6 tons, 25 ft., (1897), Elizabeth Donnell, Peterborough.
Masonic, stm., 39 tons, 58 ft., (1893), Wm. C. Gidley, Hamilton.	May, Minnie, paddle stm., 10 tons, 42 ft., (1894), John R. Phillips, Cobocok.
*Matthews, W. D., stm., 3965 tons, 366 ft., (1903), St. Lawrence & Chicago Steam Nav. Co., Ltd., Toronto, Ont.	May, Rosey, stm., 4 tons, 28 ft., (1898), John Bowman, Rosport, Ont.
Mattie, stm., 2 tons, 22 ft., (1903), C. M. Hincks, Toronto, Ont.	*Mayflower, paddle stm., 189 tons, 140 ft., (1890), Toronto Ferry Co., Ltd., Toronto.
Maud C., stm., 5 tons, 30 ft., (1897), Thos. Craigie, Rosport.	Mayhew, James, stm., 17 tons, 40 ft., (—), Eli J. Nutall, Port Arthur.
Maud D., stm., 81 tons, 71 ft., (1904), A. A. Osborne & J. L. Ferrier, Midland, Ont.	Maytham, Geo., stm., 40 tons, 53 ft., (1870), D. B. McCrae, Meldrum Bay.
Maud, S., stm., 14 tons, 44 ft., (1889), H. N. Truesdell, Collingwood, Ont.	Mazeppa, stm., 146 tons, 101 ft., (1884), Lawrence Solman, Toronto.
Maud S., sail, 25 tons, 52 ft., (1884), *John McLennan, Toronto, Ont.	M. B. & Co., No. 1, sail, 87 tons, 86 ft., (1892), Mossom M. Boyd, Bobcaygeon.
Maude, stm., 19 tons, 60 ft., (1902), J. Cooper, Chatham.	M. B. & Co., No. 2, sail, 99 tons, 88 ft., (1890), Mossom M. Boyd, Bobcaygeon.
Maxie, stm., 16 tons, 44 ft., (1898), Clare Thorn, et al., Port Stanley, Ont.	M. B. & Co., No. 3, sail, 100 tons, 80 ft., (1892), Mossom M. Boyd, Bobcaygeon.
Maxwell, Emily E., sail, 327 tons, 148 ft., (1881), J. H. Peacock, Port Hope, Ont.	M. B. & Co., No. 4, sail, 76 tons, 70 ft., (1890), Mossom M. Boyd, Bobcaygeon.
May, Allena, stm., 16 tons, 47 ft., (1897), H. Walker and Chas. J. Smith, Walkers Point, Ont.	Medora, stm., 377 tons, 142 ft., (1893), The Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.
May B., stm., 10 tons, 49 ft., (1900-1901), C. C. Bates, Clear Creek.	M. C. A., sail, 77 tons, 73 ft., (1906), C. Arsenau, Magdalen Island, Que.
	Melrose, sail, 768 tons, 183 ft., (1895), Montreal Transportation Co., Montreal.

Menodora, stm., 73 tons, 67 ft., (1901), Midland Towing & Wrecking Co., Ltd., Midland.

Merle, sail, 11 tons, 39 ft., (1887), Alex McL. Macdonald, Toronto.

Mermaid, sail, 19 tons, 58 ft., (1889), Robert Mosher, Fort Frances.

Mermaid, sail, 9 tons, 36 ft., (1885), Robt. Sutor, Cayuga.

Mermaid, stm., 11 tons, 32 ft., (1901), Dr. Henry A. Turner, Millbrook.

Merritt, C. H., stm., 122 tons, 85 ft., (1883), A. M. Clark, Marysburgh.

Merry-thought, sail, 39 tons, 56 ft., (1895), Geo. H. Gooderham, Toronto.

Messenger, sail, 94 tons, 84 ft., (1881), Geo. Moberley, Collingwood.

Metamora, stm., 239 tons, 115 ft., (1864), J. Playfair & W. A. Clark, Jr., Collingwood.

Meteor, stm., 47 tons, 52 ft., (1902), Geo. Ross, Port Robinson.

Metzner, Lizzie, sail, 91 tons, 82 ft., (1888), Chancy Deryaw, Wolfe Island.

\*Michigan, stm., 1730 tons, 297 ft., (1891), Can. Pac. R. R. Co., Montreal, Que.

Midland, stm., 1875 tons, 248 ft., (1903), Montreal Trans. Co., Montreal, Que.

Midland King, stm., 3965 tons, 366 ft., (1903), Midland Nav. Co., Midland.

\*Midland Queen, stm., 1993 tons, 249 ft., (1901), Midland Nav. Co., Midland.

Mildred, stm., 5 tons, 34 ft., (1895), J. A. Wheeler, Belleville.

Mildred, stm., 39 tons, 70 ft., (1903), E. R. Wood, Toronto.

Mills, stm., 11 tons, 38 ft., (1903), Manitoulin Fish Co., Ltd., Manitowaning.

Mills, J. E., str., 149 tons, 108 ft., (1883), Charles E. Millard, Sarnia.

Minden, stm., 4 tons, 30 ft., (1880), James Lunan, Minden.

Minerva, stm., 4 tons, 33 ft., (1891), James Irwin, Hamilton.

Minitaga, stm., 73 tons, 77 ft., (1898), Robt. Weddell, Toronto, Ont.

Mink, stm., 56 tons, 72 ft., (1891), Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.

Mink, sail, 19 tons, 52 ft., (1880), Muskoka & Nipissing Nav. Co., Gravenhurst.

Minnehaha, sail, 133 tons, 42 ft., (1898), David Davidson, Penetanguishene.

Minnehaha, stm., 2 tons, 27 ft., (1888), Sidney Smith, Port Arthur.

Minnehaha, stm., 32 tons, 60 ft., (1882), John C. Miller, Parry Sound.

Minnes, Annie, sail, 155 tons, 101 ft., (1867-1881), W. H. Braund, Port Hope.

Minnette, stm., 4 tons, 36 ft., (1899), A. F. Bailey, Fox Point, Ont.

Minnicog, stm., 35 tons, 56 ft., (1902), J. C. Cautley, Penetanguishene.

Minnie, sail, 8 tons, 38 ft., (1880), Jos. Adamson, Toronto.

Minnie, sail, 63 tons, 92 ft., (1881), James Playfair, Midland.

Minnie, sail, 109 tons, 95 ft., (1873), John Eligh and Peter Eligh, Beckett's Landing.	Mollic, stm., 11 tons, 41 ft., (1897), J. J. McBain, Peterborough.
Minnie, sail, 17 tons, 40 ft., (1878), R. J. Wilson, Gananoque.	Mollie S., stm., 45 tons, 68 ft., (1901), Goderich Engine & Bicycle Co., Goderich.
Minnie C., stm., 7 tons, 34 ft., (1904), James Crawford, Moon River P. O., Parry Sound.	Mona, stm., 25 tons, 54 ft., (1889), Thos. Gauthier, Montreal, Que.
Minnie D., stm., 3 tons, 24 ft., (1889), J. Larson, Parry Sound.	Mona, stm., 2 tons, 23 ft., (1894), J. Bradley, Hamilton.
Minnie M., 613 tons, 140 ft., (1884), Algoma Central Railway Co., Sault Ste. Marie, Ont.	Monarch, stm., 73 tons, 84 ft., (1906), W. C. Harris & D. McAllister, Gores Landing, Ont.
Minota, str., 29 tons, 65 ft., (1891), W. B. McMurrich, Toronto, Ont.	Moneta, stm., 1 ton, 20 ft., (1888), R. Lamb and J. Robertson, Ottawa.
Minota, str., 35 tons, 63 ft., (1890), J. Bowman, Rosport.	Monitor, stm., 62 tons, 69 ft., (1899), Minister of Public Works, Ottawa.
Mischief, stm., 9 tons, 31 ft., (1886), H. E. C. Carey, Bruce Mines.	Montmorency, stm., 18 tons, 35 ft., (1889), W. J. Poupore, Ottawa.
Mitchell, Maggie R., stm., 40 tons, 50 ft., (1873), M. J. Haney, et al., Toronto, Ont.	Moravia, sail, 53 tons, 81 ft., (1882), S. H. Pippin, Belleville.
Mixer, H. M., stm., 30 tons, 53 ft., (1865), J. Wade, Grenville, Que.	Morden, Dolly, sail, 198 tons, 120 ft., (1881), G. H. Morden, Oakville.
Mispah, stm., 2 tons, 25 ft., (1888), A. H. Cottingham, Lindsay.	Morinus, stm., 10 tons, 47 ft., (1904), Wm. Robinson, Kingston.
Mizpah, stm., 18 tons, 51 ft., (1889), Thos. McCarroll and H. Manley, Toronto.	Morning Light, sail, 14 tons, 45 ft., (1876), H. I. Stricker, Shrewsbury.
Mocking Bird, stm., 38 tons, 72 ft., (1886), P. McArthur, Westbourne, Man.	Morning Star, stm., 5 tons, 34 ft., (1894), Jos. Goodwin, Toronto.
*Modjeska, stm., 678 tons, 178 ft., (1889), Hamilton Stbt. Co., Ltd., Hamilton.	Morning Star, sail, 47 tons, 66 ft., (1875), Jos. Adamson, Toronto.
Moiles, Annie, stm., 71 tons, 81 ft., (1865), Boutelle Towing & Wrecking Co., Ltd., Sarnia.	Morrell, R. J., stm., 40 tons, 68 ft., (1901), James Pilgrim, Meaford.
	Mowat, Oliver, sail, 170 tons, 116 ft., (1873), John McClennan, Bowmanville.

- Mowhawk, sail, 341 tons, 154 ft., (1872), A. Rondeau, Lanoraic, Que.  
 Muir, A., sail, 530 tons, 138 ft., (1874), Wm. Muir, Port Dalhousie.  
 Murray Bay, formerly Carolina, paddle stmr., 969 tons, 251 ft., (1877), Richelieu & Ont. Nav. Co., Montreal.  
 Murray, Kate, stmr., 3 tons, 36 ft., (1878), Mrs. Mary J. Vanderburgh, Port Carling.  
 Muskoka, paddle stmr., 22 tons, 36 ft., (—), Gilmour & Co., Trenton.  
 Muskoka, sail, 481 tons, 149 ft., (1872-1896), Montreal Trans. Co., Ltd., Montreal, Que.  
 Muskoka, stmr., 197 tons, 94 ft., (1881), The Muskoka Lake Nav. & Hotel Co., Ltd., Toronto.  
 Myra, stmr., 73 tons, 82 ft., (1884), James Buckley, Prescott.  
 Myron, B., stmr., 16 tons, 48 ft., (1885), Walter H. Hawkins, et al., Little Current.  
 Myrtle, stmr., 9 tons, 39 ft., (1880), David Ward, Toronto.  
 Myrtle, stmr., 5 tons, 33 ft., (1901), Herbert Watt, Peterborough.  
 Myrtle, stmr., 9 tons, 40 ft. (1904), J. W. Hamm, Tp. of Bertie, Ont.  
 Nadine, sail, 484 tons, 166 ft., (1898), St. Lawrence Terminal Co., Ltd., Quebec, Que.  
 Naiad, stmr., 29 tons, 68 ft., (1890), H. S. Sanford, Hamilton.  
 Naiad, stmr., 15 tons, 51 ft., (1888), W. H. Monray, Amherst Island.  
 Naiad, sail, 276 tons, 140 ft., (1863), J. E. Willisroft, Southampton.  
 Naniwa, stmr., 12 tons, 54 ft., (1903), F. J. Phillips, Toronto.  
 National, stmr., 18 tons, 39 ft., (1903), Corporation of the City of Toronto.  
 Navajo, stmr., 145 tons, 108 ft., (1895), G. A. & H. W. Richardson, Kingston.  
 Neebing, stmr., Canadian North-West S. S. Co., 707 Board of Trade Bldg., Toronto.  
 Neelon, Harvey, stmr., 65 tons, 74 ft., (1876), W. M. Carter, Tesserton, Ont.  
 Neelon, Sylvester, 291 tons, 137 ft., (1875), Collins Bay Rafting & Forwarding Co., Kingston, Ont.  
 Neepawah, stmr., R. O. & A. B. McKay, Hamilton, Ont.  
 Nellie, stmr., 7 tons, 39 ft., (1882), J. N. Lee-man, Smith's Falls.  
 Nellie, stmr., 2 tons, 25 ft., (1886), R. Campbell, Bracebridge.  
 Nellie S., stmr., 3 tons, 20 ft., (1885), Geo. Sutherland, Essex Centre, Ont.  
 Nellie T., stmr., 5 tons, 36 ft., (1894), Michael Dovey, Lindsay.  
 Nemesis, sail, 82 tons, 73 ft., (1868), J. H. Spence, Southampton.  
 New Dominion, sail, 196 tons, 117 ft., (1868), Geo. H. Morden, Oakville.  
 New Ontario, sail, 17 tons, 50 ft., (1898), James Whelan, Port Arthur.

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NewsBoy, sail, 40 tons, 67 ft., (1885), Lemuel Dorland, Bronte.	Nokomis, stm., 25 tons, 55 ft., (1887), W. C. Edwards, Rockland.
†Niagara, stm., 396 tons, 159 ft., (1856-1901), The Ontario & Quebec Nav. Co., Ltd., Picton, Ont.	Nora, stm., 20 tons, 44 ft., (1895), D. L. Mather, Kenora, Ont.
Nile, stm., 28 tons, 71 ft., (1894), Minister of Public Works, Ottawa.	Nora, stm., 28 tons, 50 ft., (1886), The Minister of Public Works, Ottawa, Ont.
Nile, stm., 96 tons, 90 ft., (1870), The Rath-bun Co., Deseronto.	Norah, sail, 30 tons, 52 ft., (1880), R. C. Smith, Port Hope.
Nilka, stm., 1 ton, 24 ft., (1897), John Jamieson, et al., Ottawa.	Nore, sail, 95 tons, 91 ft., (1866), F. La-Riviere, Plantagenet.
Nina, stm., 11 tons, 32 ft., (1889), J. Cooper, Chatham.	Norris, James, stm., 50 tons, 74 ft., (1868), James T. Davis, Montreal, Que.
Nippissing, stm., 275 tons, 125 ft., (1887), Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.	Norseman, stm., 620 tons, 177 ft., (1864), N. Dymont and A. E. Dymont, Barrie.
Niska, stm., 9 tons, 36 ft., (1897), Robt. J. Stroud, Milford Bay.	North King, paddle stm., 873 tons, 175 ft., (1868-1891), Lake Ont. & Bay of Quinte Sbst. Co., Ltd., Kingston.
No. 1, sail, 57 tons, 64 ft., (1895), John O'Leary, Ottawa, Ont.	North West, sail, 57 tons, 75 ft., (1882), Edmund and Francis Goldring, Whitby.
No. 5, sail, 7 tons, 34 ft., (1898), Hugh Fleming, Cornwall.	Norway, sail, 332 tons, 135 ft., (1873-1881), M. Mahoney, Hamilton.
No. 24, sail, 110 tons, 94 ft., (1862), Sincennes McMaughton Line, Ltd., Montreal, Que.	Norway Belle, stm., 46 tons, 66 ft., (1905), A. McFarlane, Bristol, Que.
No. 31, sail, 17 tons, 40 ft., (1898), E. G. Laverdue, Ottawa.	Notter, G. H., stm., 14 tons, 42 ft., (1881), Geo. Dansereau, Grenville, Que.
Nobby, stm., 2 tons, 25 ft., (1883), Thos. Robson, Fenelon Falls.	Nymoca, stm., 25 tons, 52 ft., (1896), G. F. Beaumont, Muskoka.
Norcross, stm., 20 tons, 45 ft., (1887), The French River Boom Co., Toronto.	Nymph, stm., 29 tons, 75 ft., (1902), Robt. J. Stroud, Milford Bay.
Nogey, sail, 68 tons, 69 ft., (1898), Robt. Kennedy, Lindsay.	
	O'Brien Julian V., stm., 59 tons, 70 ft., (1888—rebuilt 1892), Wm. E. Bigwood, Toronto, Ont.

Ocean Lily, stm., 3 tons, 29 ft., (1887), Edward Brooks, Red Bay.  
 Odessa, stm., 12 tons, 32 ft., (1894), A. L. Nickerson, Midland.  
 Ogemah, paddle stm., 72 tons, 85 ft., (1889), Trent Valley Nav. Co., Ltd., Bobcaygeon.  
 Ojibwaya, stm., 1 ton, 16 ft., (1902), Mrs. F. A. Price, Missanaga.  
 Ojibway, stm., 194 tons, 130 ft., (1892), B. V. Naylor, Noyan, Que.  
 Oldfield, W. S. stm., 15 tons, 42 ft., (1898), W. H. Oldfield, Parry Sound.  
 Olga, stm., 5 tons, 33 ft., (1896), John McLaren, Brockville.  
 Olive, stm., 2 tons, 25 ft., (1895), G. W. Leach, et al., North Bay.  
 Olive Branch, sail, 16 tons, 51 ft., (1875), Mrs. Charlotte Reid, Township of Toronto.  
 Olson, Ida A., sail, 191 tons, 122 ft., (1888), G. T. Dunn and T. W. Thomson, Owen Sound.  
 Olympia, sail, 23 tons, 57 ft., (1879), Wm. R. Crosby, Port Credit, Ont.  
 Onaganoh, stm., 19 tons, 47 ft., (1887), H. Fraser, Port Cockburn, Ont.  
 Onananiehe, stm., 1 ton, 23 ft., (1896), E. A. Parsons, et al., Ottawa.  
 Onaping, stm., 256 tons, 120 ft., (1870), Jno. Charlton, Lynedoch.  
 Onawa, stm., 2 tons, 29 ft., (1904), Wm. J. Reid, Gananoque.  
 Ongiara, stm., 98 tons, 90 ft., (1885), The Niagara Nav. Co., Ltd., Toronto, Ont.

Onandaga, sail, 320 tons, 135 ft., (1870), Canadian Towing & Trans. Co., Ltd., Montreal, Que.  
 Ontario, sail, 150 tons, 105 ft., (1867), Francis Granville, Southampton, Ont.  
 Ontario, sail, 56 tons, 56 ft., (1868), J. Swift, Kingston.  
 Ontario, stm., 11 tons, 43 ft., (1881), R. Walker, Township of Wood.  
 Ontario, stm., 41 tons, 63 ft., (1870), J. W. Steinhoff, Wallaceburg.  
 Ontario, paddle stm., 80 tons, 58 ft., (1868), J. Thurston, Lindsay.  
 †Ontario, stm., 1615 tons, 297 ft., (1890), Canadian Pacific Ry. Co., Montreal.  
 Onward, stm., 22 tons, 57 ft., (1902), John McGaw, Kincardine.  
 Ophir, stm., 11 tons, 41 ft., (1902), Milton Pearce, Parry Sound.  
 Orca, stm., 4 tons, 34 ft., (1905), A. F. Macnee, Kingston, Ont.  
 Orcadia, stm., 26 tons, 52 ft., (1894), Jno. Bowman, Rossport.  
 Orcadia, stm., 23 tons, 54 ft., (1888), Au. Tromblay, Fort William, Ont.  
 Oriana, stm., 3 tons, 29 ft., (1899), James Glass, Little Britain.  
 Oriana, stm., 68 tons, 79 ft., (1903), Robert F. Menzie, Toronto.  
 Oriole, stm., 75 tons, 75 ft., (1886), Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.  
 Oriole, sail, 50 tons, 85 ft., (1886), Geo. Gooderham, Toronto.



Orion, stm., 572 tons, 173 ft., (1872), John S. Thom, Quebec, Que.	Outlet Queen, stm., 18 tons, 43 ft., (1888), Wm. Black, Belleville.
Oriska, stm., 6 tons, 38 ft., (1903), Wm. Morris, Toronto.	Owl (The), stm., 4 tons, 32 ft., (1887), L. J. Courtice, Courtice.
Oscar, sail, 122 tons, 96 ft., (1888), Hiram Easton, Merrickville.	Ox, sail, 130 tons, 104 ft., (1873), Alex. Gunn, Kingston.
Osirus, sail, 106 tons, 109 ft., (1892), P. Larokin, St. Catharines, Ont., and A. Sangster, Iroquois, Ont.	†Paliki, stm., 1378 tons, 240 ft., (1889), Algoma Central S. S. Line, Sault Ste. Marie.
Osprey, stm., 42 tons, 32 ft., (1896), Dan Lang, Aldborough.	Paloma, sail, 122 tons, 99 ft., (1885), Trent Valley Nav. Co., Ltd., Bobcaygeon.
Osprey, stm., 42 tons, 72 ft., (1902), James Purvis, Gore Bay.	Pappoose, stm., 57 tons, 71 ft., (1893), Alfred H. Clark, Windsor.
Ossifrage, stm., 632 tons, 161 ft., (1886), Algoma Central Railway, Sault St., Marie.	Parthenon, sail, 56 tons, 62 ft., (1877), Robt. McDonald, Hallowell.
Oso, stm., 6 tons, 41 ft., (1902), John H. Wilcott, Beaumaris.	Parthia, paddle stm., 198 tons, 126 ft., (1896), The Calvin Co., Ltd., Garden Island.
Oswego, sail, 130 tons, (1903), The Rathbun Co., Deseronto.	Paul, J. A., stm., 49 tons, 71 ft., (1906), J. A. Paul, Sorel, Que.
Oswell, J. N., sail, 112 tons, 105 ft., (1875), Richard Walters, Belleville.	Paul, N. sail, 126 tons, 100 ft., (1890), Wm. J. Poupore, Morrisburg.
Otonabec, sail, 55 tons, 76 ft., (1904), Henry Calcutt, Peterboro.	Pearl, stm., 6 tons, 35 ft., (1902), Robt. G. Aird, Parry Sound.
Otranto, stm., 35 tons, 75 ft., (1893), J. Doran, Quebec, Que.	Pearl, stm., 6 tons, 35 ft., (1889), James Lewis, Bobcaygeon.
Ottawa, stm., 21 tons, 56 ft., (1888), Minister of Public Works, Ottawa.	Pearl, stm., 8 tons, 30 ft., (1885), H. Calcutt, Peterborough.
†Ottawa, stm., 2431 tons, 245 ft., (1900), J. R. Booth, Ottawa, Ont.	Pellatt, H. M., stm., 1592 tons, 240 ft., Canadian Lake & Ocean Nav. Co., Toronto.
Ottawa, stm., 617 tons, 151 ft., (1881), The Reid Towing Co., Ltd., Sarnia.	Penatang, stm., 100 tons, 82 ft., (1901), First Brook Box Co., Ltd., Toronto.
Ottawan, stm., 311 tons, 108 ft., (1904), Ottawata Forwarding Co., Ltd., Ottawa.	

- Penniman, George, sail, 83 tons, 90 ft., (—), James Purvis, Gore Bay.  
 Pennsylvania, stm., 428 tons, 158 ft., (1901), St. Lawrence Trans. Co., Ltd., Toronto, Ont.  
 Perew, Frank, 43 tons, 72 ft., (1867), Minister of Railways and Canals, Ottawa.  
 Persia, stm., 757 tons, 144 ft., (1873), Toronto & Montreal Stbt. Co., Ltd., Toronto.  
 Peruvian, sail, 54 tons, 97 ft., (1888), J. Shap-  
 pié, Belleville.  
 Petrel, stm., 346 tons, 129 ft., (1892), Collin's Bay Rafting & Forwarding Co., Kingston.  
 Petrel, stm., 192 tons, 116 ft., (1892), Minister of Marine and Fisheries, Ottawa.  
 Petrie, A. M., stm., 20 tons, 50 ft., (1892), R. McKay & A. McDonald, Goderich, Ont.  
 Philadelphia, stm., 148 tons, 90 ft., (1896), Algoma Central & H. B. Ry., Sault Ste. Marie.  
 Phillips, Harold B., stm., 66 tons, 59 ft., (1880), The Great Lakes Towing Co., Ltd., Sarnia, Ont.  
 Phin & Co. Scow No. 1, sail, 81 tons, 77 ft., (1894), Wm. E. Phin, Toronto.  
 Phin & Co. Scow No. 2, sail, 90 tons, 77 ft., (1894), Wm. E. Phin, Toronto.  
 Phin & Co. Scow No. 9, sail, 115 tons, 80 ft., (1896), Wm. E. Phin, Toronto.  
 Phoebe, stm., 11 tons, 40 ft., (1904), John H. Wilcott, Beaumaris.
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- Phoenix, stm., 29 tons, 50 ft., (1900), Hunts-  
 ville, Lake of Bays & Lake Simcoe Nav.  
 Co., Ltd., Huntsville.  
 Pierreville, stm., 121 tons, 100 ft., (1906), A.  
 A. Moudon, Pierreville, Ont.  
 Pilgrim, stm., 262 tons, 122 ft., (1884), H. S.  
 Folger, Kingston.  
 Pilot, sail, 34 tons, 63 ft., (1866), James  
 Mahoney, Kingston.  
 Pilot, stm., 70 tons, 71 ft., (1901), Mrs. Carrie  
 E. Pratt, Parry Sound.  
 Pioneer, stm., 28 tons, 49 ft., (1879), H. C.  
 Rothwell, Kingston.  
 Plante, Julie, sail, 62 tons, 64 ft., (1902), Mac-  
 kenzie & Mann, Toronto.  
 Playfair, James, stm., 26 tons, 50 ft., (1894), F.  
 W. Doty, Goderich, Ont.  
 Plummer, J. H., stm., 1582 tons, 246 ft., (1903),  
 Canadian Lake & Ocean Nav. Co., To-  
 ronto.  
 Plunkett, Wilfred, sail, 100 tons, 78 ft.,  
 (1866), A. A. Smith, Belleville.  
 Pocahontas, paddle stm., 32 tons, 36 ft.,  
 (1885), Muskoka Mill & Lumber Co., To-  
 ronto.  
 Pomona, stm., 5 tons, 42 ft., (1877), J. Long,  
 Ottawa, Ont.  
 Pontiac, sail, 33 tons, 54 ft., (1889), W. J.  
 Poupore, Ottawa.  
 Pontiac, stm., 15 tons, 40 ft., (1903), Peter  
 Whelan, Ottawa.  
 Port Elgin Queen, stm., 37 tons, 52 ft.,  
 (1886), A. F. Bowman, Southampton.

Porter, Lloyd S., 489 tons, 159 ft., (1893), Arthur W. Hepburn, Picton. Portneuf, stm., 39 tons, 59 ft., (1906), J. S. Thom, Quebec, Que. Portsmouth, sail, 126 tons, 108 ft., (1872- 1882), S. T. Easton, Ottawa. Poupore, W. J., stm., 47 tons, 70 ft., (1881), W. J. Poupore, Montreal, Que. Premier, stm., 337 tons, 130 ft., (1888), The Doty Engine Works, Ltd., Goderick, Ont. Prescott, formerly Bohemian, paddle stm., 1107 tons, 195 ft., (1873-1900), Richelieu & Ont. Nav. Co., Montreal. Price, W. H., stm., 13 tons, 38 ft., (1903), Geo. Stalker, Collingwood. Primrose, paddle stm., 189 tons, 140 ft., (1890), Toronto Ferry Co., Ltd., Toronto, Ont. Primrose, stm., 23 tons, 53 ft., (1899), M. Mc- Innes, Meaford, Ont. Prince Alfred, stm., 20 tons, 60 ft., (1867), Ms. S. E. Miller, Gore Bay. Prince Edward Ferry, paddle stm., 18 tons, 58 ft., (1885), Wm. Powles, Deseronto. Princess Louise, stm., 26 tons, 67 ft., (1879 and 1888), A. Smallman, Cornwall, Ont. Princess Louise, stm., 115 tons, 94 ft., (1879), Eden A. Johnson, L'Orignal. Priscilla, stm., 20 tons, 53 ft., (1897), Priscil- la Steam Yacht Co., Ltd., Toronto. Proctor, E. R. C., sail, 163 tons, 109 ft., (1878), J. E. Proctor, Brighton.	Puffing, Billy, stm., 3 tons, 31 ft., (1905), J. C. Cantley, Georgian Bay, Ont. Puritan, stm., 6 tons, 41 ft., (1901), Priscilla Steam Yacht Co., Ltd., Toronto. Quebec, stm., 108 tons, 110 ft., (1867), H. F. Cumming, Cornwall. #Quebec, sail, 989 tons, 206 ft., (1901), Mon- trcal Trans. Co., Montreal. #Quebec, paddle stm., 2659 tons, 282 ft., (1865), Richelieu & Ont. Nav. Co., Mon- trcal. Queen, str., 7 tons, 35 ft., (1883), Thos. Ellis, Roach's Point. Queen of the Isles, 40 tons, 72 ft., (1885), Muskoka Leather Co., Ltd., Toronto. Queen of the North, sail, 347 tons, 125 ft., (1861), Henry M. Jackman, Toronto. Quinlan, Eliza, sail, 131 tons, 97 ft., (1870), A. Campbell, Lakeport. Rainbow, stm., 51 tons, 71 ft., (1898), Francis Burnett, Birdsall. Rambler, stm., 39 tons, 70 ft., (1903), Mrs. Isabelle McKinnon, Toronto. Rambler, str., 6 tons, 30 ft., (1891), Geo. A. McLaurin, Savanne. Rambler, stm., 6 tons, 48 ft., (1898), Water- ous Engine Co., Ltd., Brantford.
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Reina, stm., 4 tons, 30 ft., (1905), F. St. Louis, Hull, Que.  
 Reindeer, stm., 58 tons, 74 ft., (1884), James Collier, Fredericksburg.  
 Reindeer, sail, 14 tons, 44 ft., (1886), Benjamin B. Lynd, Parkdale.  
 Reliance, stm., 239 tons, 120 ft., (1881), Deseronto Nav. Co., Deseronto, Ont.  
 Reliance, stm., 311 tons, 124 ft., (1892), Midland Towing & Wrecking Co., Midland.  
 Relief, sail, 50 tons, 89 ft., (1875), James O'Leary and Geo. W. Downs, Port Lambton.  
 Rene, sail, 10 tons, 40 ft., (1895), E. G. Laverdure, Ottawa.  
 Rescue, stm., 52 tons, 62 ft., (1885), Deseronto Nav. Co., Deseronto, Ont.  
 Rescue, stm., 20 tons, 56 ft., (1878), Richard Power, Victoria Harbor.  
 Rescue, stm., 1 tons, 41 ft., (1886), Mrs. Mary C. McMurchy and A. C. McMurchy, Toronto.  
 Reserve, stm., 49 tons, 61 ft., (1884), Minister of Marine and Fisheries, Ottawa.  
 Restless, sail, 73 tons, 73 ft., (1859), C. H. Dodge, Belmont.  
 Retta, stm., 2 tons, 29 ft., (1899), Jos. Brown, Lindsay.  
 Rheata, stm., 27 tons, 48 ft., (1882), The Charlton Sawmill Co., Ltd., Collingwood, Ont.  
 Rhoda May, stm., 18 tons, 50 ft., (1877), A. P. Ross, Cornwall.

Ranger, stm., 14 tons, 46 ft., (1888), Deseronto Nav. Co., Deseronto, Ont.  
 Ranger, sail, 21 tons, 65 ft., (1877), N. Wilhelmly, Belleville.  
 Ranger, stm., 8 tons, 44 ft., (1888), Wm. Parker, Sandwich.  
 Ranger, paddle stm., 53 tons, 74 ft., (1884), Geo. Crandell, Lindsay.  
 Ranney Gertrude A., stm., 14 tons, 42 ft., (1883), Noble Bros., Ltd., Owen Sound.  
 Raoul, sail, 100 tons, 94 ft., (1869), Wm. McCaffrey, Ottawa.  
 Rapid, sail, 221 tons, 124 ft., (1874), Kingston & Montreal Forwarding Co., Kingston.  
 Rapid Ctl, sail, 37 tons, 70 ft., (1884), Chas. Goldring, Whitby.  
 Ray, Lulu M., stm., 33 tons, 56 ft., (1888), James Whelan, Port Arthur.  
 Recluse, stm., 3 tons, 18 ft., (1897), E. H. Bissett, Brockville.  
 Recruit, sail, 297 tons, 144 ft., (1880-1901), Deseronto Nav. Co., Deseronto, Ont.  
 Red Bird, sail, 39 tons, 64 ft., (1870), H. Mines, Welland.  
 Reed, Isabel, sail, 480 tons, 186 ft., (1881), Arthur W. Hepburn, Picton.  
 Reginald, stm., 186 tons, 120 ft., (1894), The Victoria Lumber Co., Ltd., Toronto, Ont.  
 Reid, Ethyll, stm., 36 tons, 63 ft., (1904), W. A. Clark, Collingwood.  
 Reid, James, stm., 181 tons, 117 ft., (1875), Reid Wrecking Co., Ltd., Sarnia.  
 Reid, Nellie, stm., 56 tons, 70 ft., (1886), H. W. Richardson, Kingston.

Richmond, str., 14 tons, 39 ft., (1887), Jos. Brimson, oPrt Arthur.	Rosamond, stm., 23 tons, 48 ft., (1883), Jas. F. Caniff, Toronto.
Rideau King, stm., 266 tons, 107 ft., (1893), The Rideau Lakes Nav. Co., Ltd., Kingston.	Rosebeller, sail, 37 tons, 58 ft., (1875), Alex. Clouthier, Rochester.
Rideau Queen, stm., 351 tons, 108 ft., (1900), Rideau Lakes Nav. Co., Ltd., Kingston.	†Rosedale, stm., 1507 tons, 246 ft., (1888), St. Lawrence & Chicago Stm. Nav. Co., Ltd., Toronto.
Ripple, stm., 5 tons, 32 ft., (1892), Peter Chesterfield, Richard's Landing.	†Rosemount, stm., 1580 tons, 245 ft., (1896), Montreal Trans. Co., Ltd., Montreal, Que.
Ripple, stm., 2 tons, 15 ft., (1902), J. P. Gibbons, Port Colbourne.	Rosena, stm., 6 tons, 33 ft., (1906), E. J. Hames, Medora, Ont.
Rob Roy, stm., 5 tons, 30 ft., (1899), Norman Bennet, Orillia.	Rosina, stm., 2 tons, 29 ft., (—), L. B. Howland, Brockville.
Rob Roy, stm., 13 tons, 41 ft., (1900 and 1904), Robt. M. Roy, Peterborough.	Ross, Ella, stm., 228 tons, 99 ft., (1879), Deseronto Nav. Co., Deseronto, Ont.
Rob Roy, sail, 341 tons, 144 ft., (1897), A. W. Hepburn, Picton.	Ross Point Ferry Boat, sail, 16 tons, 45 ft., (1891), A. J. Campbell, Arnprior.
Rock, stm., 14 tons, 43 ft., (1883), James Anderson, Midland.	Rosseau, stm., 53 tons, 70 ft., (1880), The Snider Lumber Co., Ltd., Toronto.
Rockaway, Paddle stm., 7 tons, 36 ft., (1901), T. H. DeCew, Fenelon Falls.	Round Islander, sail 14 tons, 40 ft., (1895), Henry Bauder, Verona.
Rocket, paddle stm., 4 tons, 44 ft., (1891), Godfrey Faubert, Cumberland.	Rover, stm., 51 tons, 60 ft., (1887), E. H. Horsey, Owen Sound.
Rockland, stm., 78 tons, 65 ft., (1882), Hawkesbury Lumber Co., Ltd., Hawkesbury, Ont.	Rover, stm., 6 tons, 30 ft., (1893), Blind River Towing Co., Blind River.
Rooney, Loreta, sail, 156 tons, 91 ft., (1866), F. H. Barnhardt, Kingston.	Rover, sail, 74 tons, 96 ft., (1870), R. O'Neil, Ottawa.
Rooth, Wm. A., stm., 52 tons, 81 ft., (1871), The Great Lakes Towing Co., Ltd., Sar- nia.	Rover, sail, 13 tons, 42 ft., (1894), John Rowley, Kingston.
	Rover, sail, 46 tons, 75 ft., 1884), Geo. Travis, Wallaceburg.
	Roy, stm., 6 tons, 31 ft., (1898), The Georgian Bay Hotel Co., Ltd., Parry Sound, Ont.

Royal, sail, 63 tons, 48 ft., (1889), Thos. A. Clemence, Toronto.  
 Royal, stm., 5 tons, 31 ft., (1906), Frise Bros., Midland, Ont.  
 Ruby, stm., 2 tons, 23 ft., (1879), Chas. Stewart, Iansdowne.  
 Ruby, stm., 72 tons, 70 ft., (1878), John Ellison, Port Stanley.  
 Ruby, stm., 7 tons, 32 ft., (1893), H. E. Ford, Norwood.  
 Ruby, stm., 11 tons, 41 ft., (1903), Ontario Corundum Co., Ltd., Toronto.  
 Rulo, stm., 9 tons, 47 ft., (1903), Wm. C. Crowther, Toronto, Ont.  
 Rupert, paddle stm., 512 tons, 147 ft., (1877), W. E. Cornell, Toronto.  
 Russell, Frank, sail, 283 tons, 142 ft., (1871), James Playfair and W. A. Clark, Jr., Col- lingwood.  
 Rutherford, E. H., sail, 286 tons, 133 ft., (1881), Robert Crawford, Kingston, Ont.

Sagamog, stm., 744 tons, 152 ft., (1906), Mus- koka Lakes Nav. & Hotel Co., Toronto, Ont.  
 Sagniauw, stm., 357 tons, 142 ft., (1873), Gt. Lakes Towing Co., Ltd., Sarnia.  
 Saquenay, paddle stm., 992 tons, 219 ft., (1868-1891). Name changed to Chicou- timi.  
 Saïda, stm., 14 tons, 32 ft., (1903), James Crumb, Dunnville.

Saint Louis, sail, 334 tons, 127 ft., (1877), Sylvester Bros., Toronto.  
 Salaberry, stm., 222 tons, 99 ft., (1902), Hor- ace Sicotte, Valleyfield.  
 Salty Jack, stm., 45 tons, 56 ft., (1874), Lake Superior Tug Co., Ltd., Port Arthur.  
 Salvor, stm., 126 tons, 105 ft., (1898), The Reid Wrecking Co., Ltd., Sarnia.  
 Sampson, stm., 12 tons, 36 ft., (1903), W. W. Carter, Fesserton.  
 Samson, paddle stm., 15 tons, 41 ft., (1893), The Upper Ottawa Improvement Co., Ot- tawa.  
 Samson, stm., 121 tons, 101 ft., (1862), King- ston & Montreal Forwarding Co., King- ston.  
 Sand Fly, sail, 28 tons, 45 ft., (1885), Wm. Hand, Port Dalhousie.  
 Sand King, stm., 254 tons, 108 ft., (1873), Ottawa Forwarding Co., Ottawa, Ont.  
 Sand King, stm., 158 tons, 108 ft., (1888), H. F. Cumming, Cornwall.  
 Sandford, stm., 56 tons, 72 ft., (1897), James Hunter, Wiarton, Ont.  
 Sandy, sail, 28 tons, 52 ft., (1886), Oscar Matthews, Hamilton.  
 Santa Cruz, stm., 106 tons, 53 ft., (1903), Julius Paquin, Wikwemikong, Ont.  
 Sarah, sail, 65 tons, 73 ft., (1871 and 1882), C. Graham, Kincardine.  
 Sarah Jane, sail, 238 tons, 131 ft., (1872), J. S. Nesbitt, Sarnia.  
 Sarama, stm., 2 tons, 25 ft., (1886), Henry S. Osler, Toronto.

Sarnia, stm., 85 tons, 66 ft., (1901), Reid Wrecking Co., Ltd., Sarnia, Ont.	Scott, L. N., sail, 42 tons, 78 ft., (1903), C. Las Ourcau Lumber Co., Montreal, Que.
Sarona, stm., 32 tons, 71 ft., (1902), Huntsville & Bracebridge Tanning Co., Huntsville, Ont.	Scott, Walter, stm., 26 tons, 36 ft., (1876), J. W. Maitland, Owen Sound.
Saronic, stm., 1961 tons, 252 ft., (1882), Northern Nav. Co. of Ontario, Ltd., Collingwood, Ont.	†Scottish Hero, stm., 2202 tons, 297 ft., (1895), Can. Lake & Ocean Nav. Co., Toronto, Ont.
Sarto, stm., 18 tons, 56 ft., (1905), C. Desjardines, Montreal, Que.	Scout, stm., 176 tons, 103 ft., (1900), Minister of Marine and Fisheries, Ottawa.
Saucy Jack, sail, 68 tons, 72 ft., (1864), J. H. McDonald, Toronto.	Scow No. 1, sail, 253 tons, 138 ft., (1901), Riordan Paper Mills, Ltd., Merritton.
Saucy Jim, str., 93 tons, 84 ft., (1887), W. A. Scott & Mrs. R. J. Fisher, Collingwood, Ont.	Scow No. 2, sail, 251 tons, 138 ft., (1901), Riordan Paper Mills, Ltd., Merritton.
Sawyer Edgar P., stm., 52 tons, 49 ft., (1886), W. J. McMenemy, Bruce, Mines.	Scow No. 3, sail, 138 tons, 103 ft., (1901), Riordan Paper Mills, Ltd., Merritton.
Scagel, Willie, stm., 22 tons, 37 ft., (1898), J. Telfer, Jr., Blenheim.	Scow No. 28, sail, 230 tons, 104 ft., (1891), Jms. Whalen, Port Arthur.
Scintilla, stm., 4 tons, 27 ft., (1884), Wm. W. Sparks, Township of Pickering.	Scow No. 29, sail, 230 tons, 104 ft., (1891), Jms. Whalen, Port Arthur.
Scotch Lassic, stm., 2 tons, 25 ft., (1894), Jas. C. Appleby, Lindsay, Ont.	Scow No. 31, sail, 82 tons, 72 ft., (1891), Jms. Whalen, Port Arthur.
Scotch Thistle, stm., 17 tons, 48 ft., (1893), C. Anderson, Little Current.	Scudder, stm., 5 tons, 37 ft., (1903), John Rogers, Port Sandfield.
Scotia, stm., 13 tons, 44 ft., (1875), W. H. McEvoy, Amherstburg.	Sea Bird, sail, 121 tons, 91 ft., (1867), Mrs. Mary A. Cameron, Picton, Ont.
Scotia, stm., 1461 tons, 254 ft., (1900), Minister of Railways and Canals, Ottawa, Ont.	Sea Flower, stm., 7 tons, 35 ft., (1883), John McL. Stevenson, Barrie.
Scotsman, stm., 265 tons, 108 ft., (1903), Ottawa Forwarding Co., Ltd., Ottawa.	Sea Gull, stm., 51 tons, 51 ft., (1862), Henry Bell, Sault Ste. Marie.
	Sea Gull, stm., 150 tons, 82 ft., (1906), J. B. Smith & Sons, Ltd., Toronto, Ont.
	Sea Gull, stm., 9 tons, 32 ft., (1893), D. Moreau, Port Severn.

Sea King, stm., 26 tons, 58 ft., (1892), Dominion Fish Co., Ltd., Winnipeg, Man.  
 Seaman, A., stm., 76 tons, 69 ft., (1873), J. V. Crawford, Warton, Ont.  
 Sea Queen, stm., 18 tons, 52 ft., (1892), Dominion Fish Co., Ltd., Winnipeg, Man.  
 Secret stm., 9 tons, 55 ft., (—), J. B. Fairgrieve, Hamilton.  
 Seguin, stm., 818 tons, 207 ft., (1890), W. H. Smith, et al., Toronto.  
 Selkirk, sail, 719 tons, 183 ft., (1894), Montreal Trans. Co., Ltd., Montreal, Que.  
 Semillante, stm., 9 tons, 40 ft., (1905), S. Gaudreau, Que.  
 Sensation, stm., 15 tons, 37 ft., (1873), The Minister of Public Works, Ottawa.  
 Sephic, sail, 261 tons, 136 ft., (1889), Ontario Lumber Co., Ltd., Toronto.  
 Sewell, Harry, stm., 25 tons, 52 ft., (1875), James O'Leary and Geo. W. Downs, Port Lambton.  
 Seymour, W. H., stm., 85 tons, 66 ft., (1874), N. H. Wright, Cutler.  
 Shamrock, stm., 4 tons, 31 ft., (1903), Robt. Johnston, Port Sandfield.  
 Shamrock, stm., 237 tons, 117 ft., (1898), Minister of Marine and Fisheries, Ottawa.  
 Shamrock, str., 14 tons, 38 ft., (1897), John J. Roussain, Port Marmaise, Ont.  
 Shamrock, paddle stm., 154 tons, 103 ft., (1885), The Toronto Ferry Co., Ltd., Toronto.  
 Shamrock III, sail, 70 tons, 50 ft., (1903), Ontario Corundum Co., Ltd., Ottawa.

Shanly, stm., 40 tons, 60 ft., (1890), The Minister of Railways and Canals, Ottawa.  
 Sharon, stm., 14 tons, 46 ft., (1903), C. J. Smith, et al., Walkers Point, Ont.  
 Shawanaga, stm., 96 tons, 80 ft., (1882), Jos. Ganley, Sault Ste. Marie.  
 Shawatlasi, stm., 12 tons, 35 ft., (1906), G. T. Pacific Ry. Co., Montreal, Que.  
 Shepherd Boy, sail, 62 tons, 83 ft., (1893), T. H. Kirby, Ottawa.  
 Shickluna, Lewis, stm., 16 tons, 45 ft., (1878), James Murray, St. Catharines.  
 Shoofly, stm., 10 tons, 35 ft., (1893), J. A. Stillar, Callender.  
 Shoo Fly, stm., 25 tons, 44 ft., (1870), S. T. Reeves, Windsor.  
 Siebold, Wm. H., stm., 22 tons, 58 ft., (1887), Dominion Fish Co., Ltd., Winnipeg, Man.  
 Sieman, Anna, stm., 19 tons, 41 ft., (1901), F. J. & R. Corbett, Owen Sound, Ont.  
 Siesta, stm., 99 tons, 98 ft., (1882), F. W. Waldee, Toronto, Ont.  
 Siesta, stm., 5 tons, 31 ft., (1905), J. C. Cantley, Georgian Bay, Ont.  
 Siesta, stm., 3 tons, 31 ft., (1888), Henry Whitehead, Gravenhurst, Ont.  
 Silver Wing, stm., 3 tons, 26 ft., (1890), H. F. Hodson, Toronto.  
 Simla, stm., 1490 tons, 225 ft., (1903), Calvin Co., Garden Island, Ont.  
 Singapore, sail, 186 tons, 106 ft., (1878), J. C. Sutherland, Goderich.  
 Siren, sail, 307 tons, 137 ft., (1874), The Montreal Trans. Co., Ltd., Montreal, Que.



Sir Hector, sail, 183 tons, 106 ft., (1883), W. J. Poupore, Ottawa.	Sovereign, sail, 53 tons, 83 ft., (1876), James Mullens, Belleville.
Siskiwiit, stm., 47 tons, 68 ft., (1879), Alfred K. Keefe, Port Arthur.	Sovereign, stm., 45 tons, 66 ft., (1904), Chas. J. Snyder, Peterborough.
Skye Pilot, stm., 5 tons, 36 ft., (1902), James R. Moodie, Hamilton, Ont.	Sparrow, stm., 38 tons, 56 ft., (1882), John B. Smith, et al., Toronto.
Skyhawk, stm., 43 tons, 105 ft., (1874), Hon. Clifford Sifton, Ottawa.	Sparrow, stm., 141 tons, 91 ft., (1870), Kingston & Montreal Forwarding Co., Kingston.
Skyhawk, stm., 55 tons, 65 ft., (1867), Roger Miller, Toronto, Ont.	Spartan, stm., 2 tons, 28 ft., (1887), Edwyn B. Andros, Barrie.
Sligo, sail, 284 tons, 137 ft., (1874), Archibald McInnes, Windsor, Ont.	Sport, stm., 16 tons, 36 ft., (1897), A. Robertson, Kenora, Ont.
Smith, Agnes, stm., 57 tons, 64 ft., (1904), John Henderson, and Lorne Smith, J. O., Little Current, Ont.	Spray, stm., 47 tons, 74 ft., (1888), James Mahaffey, Port Albert.
Smith, Lillie, stm., 275 tons, 130 ft., (1888), Geo. E. Smith, Southampton.	Spray, stm., 42 tons, 60 ft., (1874), D. B. McDonnell, Cambridge.
Smith, R. A., sail, 11 tons, 40 ft., (1877), Horace Bartlett, Sarnia.	Spray, stm., 15 tons, 42 ft., (1888), John McRae, Meaford.
Smith, W. J., stm., 26 tons, 54 ft., (1877), W. J. Smith, Richards Landing.	St. Adolph, B. B., sail, 25 tons, 47 ft., (1906), A. Degagne, Ileaux Coudres, Que.
Smith, Henry, stm., 40 tons, 69 ft., (1877), C. W. Gauthier, Sandwich.	St. Alexis, sail, 52 tons, 68 ft., (1906), T. L. Simard, Grande Bail, Que.
Snow Ball, sail, 23 tons, 60 ft., (1881), A. Morrison, Tilbury East.	St. Anne, stm., 100 tons, 77 ft., (1905), O. Tremblay, St. Anne, Que.
Snowstorm, stm., 17 tons, 53 ft., (1891), Jos. Goodwin, Toronto.	St. Antoine, sail, 25 tons, 51 ft., (1906), A. Caron, L'Islet, Que.
Sonicie, stm., 14 tons, 46 ft., (1900), J. B. Tudhope, Orillia.	St. Charles, stm., 26 tons, 42 ft., (1904), Alfred Macdonald, Peterborough.
Sorel, paddle stm., 158 tons, 108 ft., (1871), Richelieu & Ontario Nav. Co., Montreal, Que.	St. Clair, sail, 101 tons, 82 ft., (1875), Peter Haggbloom, Port Burwell.
Southwood, stm., 19 tons, 67 ft., (1884), D. W. Alexander, Toronto.	St. Clair Flat, stm., 17 tons, 41 ft., (1867), David Foster, Port Burwell.
	St. Francois X'r, sail, 49 tons, 68 ft., (1906), T. Lavoie, River St. Francois, Que.

St. George, stm., 21 tons, 61 ft., (1886), Frank Simpson, Toronto.  
 St. Irene, formerly Canada, 1768 tons, 248 ft., (1866), Richelieu & Ont. Nav. Co., Montreal.  
 St. Joe, stm., 118 tons, 70 ft., (1902), Jos. Servais, Port Arthur.  
 St. Julian, stm., 20 tons, 48 ft., (1884), J. H. Davis, Gananoque.  
 St. Laurt, Petit, stm., 10 tons, 38 ft., (1904), J. A. Petit, Grand Mere, Que.  
 St. Lawrence, sail, 125 tons, 90 ft., (1890), W. H. Davis, Ottawa.  
 St. Michel, sail, 34 tons, 59 ft., (1906), E. Bouchard, La Petite Riviere, Que.  
 St. Paul, sail, 65 tons, 88 ft., (1906), P. Joly, St. Anne de Sorel, Que.  
 St. Paul, stm., 45 tons, 65 ft., (1875), The Minister of Public Works, Ottawa.  
 St. Romwald, sail, 138 tons, 109 ft., (1906), E. Daneau, Notre Dame de Pierreville, Que.  
 Stanley, stm., 914 tons, 201 ft., (1888), The Minister of Marine and Fisheries, Ottawa.  
 Stanley, paddle stm., 7 tons, 86 ft., (1901) John A. Ellis, Fenelon Falls.  
 Stanley, stm., 2 tons, 16 ft., (1902), John H. Stanley, Port Colborne, Ont.  
 Stanley, H. M., sail, 305 tons, 132 ft., (1873) Morden Transit Co., Ltd., Midland.  
 Star, stm., 13 tons, 37 ft., (1901), Geo. A. Brown, Port Burwell.  
 Startled Fawn, stm., 25 tons, 60 ft., (1890), Mrs. Eva Preston and Phoebe L. Thompson, Belleville.

Stella, stm., 16 tons, 48 ft., (—), Henry Fowlds Sharp, Toronto.  
 Stella, stm., 9 tons, 24 ft., (1879), A. Tate and Jas. G. Tate, Penetanguishene.  
 Stella, stm., 16 tons, 44 ft., (1892), Jas. W. Vance, Spanish Station, Ont.  
 Stella, sail, 5 tons, 30 ft., (1892), R. W. Eyre and A. B. Holcroft, Toronto.  
 Stewart, Archie, stm., 80 tons, 81 ft., (1890), Ottawa Transportation Co., Ltd., Ottawa.  
 Stiletto, stm., 14 tons, 36 ft., (1897), F. S. Grise, Midland.  
 Stone, Walter H., stm., 35 tons, 64 ft., (1889), Albert Henning, Pelee Island.  
 Stoney Lake, stm., 156 tons, 86 ft., (1904), Patrick P. Young, Young's Point.  
 Storey, James, stm., 49 tons, 63 ft., (1888), H. W. Saxton, Aylmer.  
 Stranger, paddle stm., 28 tons, 60 ft., (1880), F. Grandell, Lindsay.  
 †Strathcona, stm., 1881 tons, 249 ft., (1900), R. O. and A. B. McKay, Hamilton, Ont.  
 Strong, W. J., stm., 41 tons, 58 ft., (1906), W. J. Strong, et al., Southampton.  
 Stuart, Jessie, sail, 54 tons, 64 ft., (1870), J. Adamson, Toronto.  
 Suffell, W. J., sail, 238 tons, 120 ft., (1874), J. Corson, Port Hope.  
 Sultan, sail, 32 tons, 65 ft., (1889), Ontario & Western Lumber Co., Ltd., Kenora, Ont.  
 Sunbeam, stm., 4 tons, 31 ft., (1884), John Rogers, Medora, Muskoka.  
 Sunbeam, stm., 13 tons, 29 ft., (1886), Frederick Burnett, Birdsal.

Superior, stm., 89 tons, 90 ft., (1881), Jos. Ganley, Sault Ste. Marie, Ont.	Tecumseh, stm., 10 tons, 37 ft., (1895), Wm. Fraser, Little Current.
Sutton Belle, stm., 6 tons, 31 ft., (1880), Chas. Goodyear, Sutton.	Tecumseh, stm., 840 tons, 200 ft., (1873), P. McArthur, Toronto.
Swan, stm., 12 tons, 48 ft., (1892), W. J. Chapman, Perth.	Telegram, stm., 198 tons, 108 ft., (1885), The Dominion Fish Co., Ltd., Winnipeg, Man.
Swan, stm., 14 tons, 53 ft., (1895), H. Swan, Port Burwell.	Temagami, stm., 12 tons, 70 ft., (1898), Temagami Nav. Co., Ltd., Toronto, Ont.
Swan, stm., 8 tons, 36 ft., (1899), Wm. A. Cross, Port Arthur.	Temperance, sail, 38 tons, 66 ft., (1877), J. B. Gervais, Tilbury West.
Swann, Geo., stm., 18 tons, 48 ft., (1894), Thos. McGaw, Kincardine.	Tempest, stm., 21 tons, 64 ft., (1884), Reid Wrecking Co., Ltd., Sarnia.
Sweepstakes, stm., 28 tons, 37 ft., (1901), Turner Lumber Co., Toronto, Ont.	Tender, stm., 31 tons, 56 ft., (1880), W. White, Midland.
Sweet Mary, stm., 13 tons, 40 ft., (1889), Charles Martin, Port Severn.	†Terrebonne, paddle stm., 636 tons, 156 ft., (1871-1895), Richelieu & Ont. Nav. Co., Montreal.
Sylvester, stm., 27 tons, 45 ft., (1895), W. S. Shaw, Bracebridge.	†Theano, stm., 1534 tons, 241 ft., (1890), Algoma Central S. Lines, Sault Ste. Marie.
Tadenac Club, Ltd., Toronto.	Thelma, stm., 3 tons, 24 ft., (1906), S. Halliday, Bedford, Ont.
Tadousac, stm., 2359 tons, 260 ft., (1903), John Waldie, et al., Toronto.	Theresa, stm., 84 tons, 85 ft., (1885), John Fleming and A. Tymon, Toronto, Ont.
Tadousac, formerly Virginia, paddle stm., 1701 tons, 248 ft., (1879), Richelieu & Ont. Nav. Co., Montreal, Que.	Theresa, stm., 26 tons, 49 ft., (1900), Knight Bros. Co., Ltd., Burk's Falls, Ont.
Ta-Kit-Esy, stm., 5 tons, 43 ft., (1899), W. J. Poupore, Ottawa.	Thirty-three, sail, 91 tons, 92 ft., (1870), David Gilmour, Trenton.
Taylor, Ella, stm., 34 tons, 60 ft., (1883), R. Leeson, Merriton, Ont.	Thistle, paddle stm., 78 tons, 123 ft., (1882-1894), The Toronto Ferry Co., Ltd., Toronto.
Taylor, W. J., stm., 9 tons, 35 ft., (1888), St. Clair Tunnel Co., Sarnia.	Thistle, stm., 36 tons, 66 ft., (1881-1891), The Rondeau Tug Co., Ltd., Blenheim, Ont.
	Thistle, sail, 23 tons, 48 ft., (1884), Angus McKinnon, Kenora, Ont.

- Thistle, sail, 117 tons, 108 ft., (1869), John Eligh and David Eligh, Burritt's Rapids.  
 Thomson, David G., stm., 182 tons, 103 ft., (1883), Montreal Trans. Co., Ltd., Montreal, Que.  
 Thrush, sail, 584 tons, 181 ft., (1890), Kingston & Montreal Forwarding Co., Ltd., Kingston.  
 Thyra, stm., 34 tons, 66 ft., (1887), F. B. Poeson, Toronto, Ont.  
 Tiger, stm., 4 tons, 34 ft., (1896), Ontario Corundum Co., Ltd., Ottawa.  
 Tit Willow, stm., 17 tons, 49 ft., (1891), J. D. Deacon and E. A. Dunlop, Pembroke.  
 Toddman, H. N., sail, 110 tons, 92 ft., (1867), Wm. Stone Rice, Puce.  
 Togo, stm., 15 tons, 44 ft., (1905), C. J. Clark, Massey, Ont.  
 Topsy, sail, 22 tons, 46 ft., (1866), Mrs. Sarah M. Carman, Iroquois.  
 Topsy, stm., 15 tons, 36 ft., (1896), J. H. Cropp, et al., Penetanguishenc, Ont.  
 †Toronto, paddle stm., 2779 tons, 269 ft., (1899), Richelieu & Ont. Nav. Co., Montreal.  
 Toronto Belle, stm., 17 tons, 44 ft., (1880), American Lumber Co., Toronto.  
 Torpedo, stm., 8 tons, 34 ft., (1898), Jos. Ganley, Sault Ste. Marie.  
 Tradewind, sail, 181 tons, 100 ft., (1868), J. Oliver, Kingston.  
 Tranquilo, stm., 39 tons, 77 ft., (1892), Electrical Development Co., Toronto.  
 Traveler, stm., 438 tons, 140 ft., (1871), Midland Towing & Wkg. Co., Ltd., Midland.  
 Trent, paddle stm., 20 tons, 86 ft., (1893), D. Gilmour, Trenton.  
 Trois Rivières, paddle stm., 1552 tons, 218 ft., (1869), Richelieu & Ont. Nav. Co., Montreal, Que.  
 Tropic, stm., 9 tons, 40 ft., (1885), Dr. Wm. A. Gray, Smith's Falls.  
 Trudel II, stm., 15 tons, 40 ft., (1904), J. B. Klock, Mattana, Ont.  
 Try, sail, 84 tons, 91 ft., (1860), E. Griffin, Ottawa.  
 Turbinia, stm. 1064 tons, 250 ft., (1904), Turbinia S. S. Co., Ltd., Hamilton, Ont.  
 Turret Cape, stm., 1827 tons, 253 ft., (1895), Can. Lake & Ocean Nav. Co., Toronto.  
 Turret Chief, stm., 1881 tons, 253 ft., (1896), Can. Lake & Ocean Nav. Co., Toronto.  
 Turret Court, stm., 1879 tons, 253 ft., (1896), Can. Lake & Ocean Nav. Co., Toronto.  
 Turret Crown, stm., 1827 tons, 253 ft., (1895), Can. Lake & Ocean Nav. Co., Toronto.  
 Two Brothers, sail, 56 tons, 95 ft., (1881), Geo. Cousins, Belleville.  
 Two Brothers, sail, 122 tons, 95 ft., 1868-1881, N. E. Angers, Ste. Anne de la Perade, Que.  
 Twilight, sail, 41 tons, 79 ft., (1882), Clement Bell, Belleville.  
 Ullacalcula, stm., 6 tons, 38 ft., (1900), Chas. W. Turner, Cambellford.  
 Umbria, stm., 43 tons, 58 ft., (1889), Jas. Murray, St. Catharines, Ont.  
 Una, paddle stm., 19 tons, 38 ft., (1897), Geo. Claret, Port Arthur.



Victoria, stm., 3 tons, 31 ft., (1891), W. F. Davidson, Colpo's Bay.  
 Victoria, stm., 13 tons, 37 ft., (...), Peter Light, Tp. of Tiny, Simcoe Co.  
 Victoria, stm., 23 tons, 60 ft., (1878), The Minister of Public Works, Ottawa.  
 Victoria, sail, 156 tons, 109 ft., (1870), Allan J. Holloway, Toronto.  
 Victoria, paddle stm., 191 tons, 93 ft., (1867), Whitby & Port Perry Ry. Co., Whitby.  
 Victoria, stm., 58 tons, 72 ft., (1900), The Brockville Nav. Co., Ltd., Brockville, Ont.  
 Victoria, stm., 4 tons, 35 ft., (1894), R. B. Rogers, Peterborough.  
 Victoria, stm., 25 tons, 42 ft., (1901), Victoria Harbor Lumber Co., Ltd., Toronto.  
 Victoria, K., stm., 41 tons, 72 ft., (1903), M. G. McDonald, Blind River.  
 Vigilant, stm., 395 tons, 177 ft., (1904), Minister of Marine and Fisheries, Ottawa.  
 Viking, stm., 15 tons, 44 ft., (1902), Thomas Craigie, Rosspoint.  
 Viking, sail, 39 tons, 62 ft., (1891), F. H. Mitchell, Oakville.  
 Viola, stm., 68 tons, 100 ft., (1883), The Viola Steam Yacht Co., Toronto.  
 Viper, stm., 8 tons, 40 ft., (1899), F. J. Drake, Kingston.  
 Viper, stm., 34 tons, 60 ft., (1901), Wm. Collis, Bruce Mines.  
 Virginia, sail, 185 tons, 110 ft., (1874), Kingston & Montreal Forwarding Co., Ltd., Kingston.  
 Vister, Bella, stm., 8 tons, 46 ft., (1902), John H. Wilmott, Beaumaris, Ont.

Viva, stm., 7 tons, 33 ft., (1893), John McEwen, Sarnia.  
 Vivid, stm., 56 tons, 83 ft., (1886), Frank B. Polson, Toronto.  
 Vixen, stm., 68 tons, 48 ft., (1886), J. H. McCaul, Sault Ste. Marie.  
 Vladimir, sail, 43 tons, 44 ft., (1897), S. Brown, Bracebridge.  
 Volunteer, stm., 3 tons, 35 ft., (1889), M. P. Davis, Ottawa.  
 Volunteer, sail, 197 tons, 110 ft., (1874), Barnard Palmatic, Bellville, Ont.  
 Volunteer, sail, 59 tons, 88 ft., (1891), Barney Black, Kingston.  
 Vreda, sail, 18 tons, 53 ft., (1888), A. G. Peuchen, Toronto.  
 Wade, Minnie, stm., 9 tons, 35 ft., (1871), J. D. Johnston, Belle Ewart, Ont.  
 †Wahcondah, stm., 1554 tons, 230 ft., (1903), R. O. & A. B. McKay, Hamilton.  
 Wahnapitae, stm., 153 tons, 91 ft., (1904), C. Beck Mfg. Co., Ltd., Penetanguishene.  
 Wales, stm., 350 tons, 126 ft., (1881), Westcott Wrecking Co., Sarnia.  
 Wales, sail, 152 tons, 110 ft., (1881), Muskoka Mill & Lumber Co., Toronto.  
 Wanneta, stm., 2 tons, 25 ft., (1906), T. & W. Gordon, Lakefield, Ont.  
 Wanda, stm., 4 tons, 36 ft., (1878), O. Bascom, Kemptville.  
 Wanda, stm., 39 tons, 65 ft., (1889), Daniel O'Connor, Temagami, Ont.

Wanda, stm., 6 tons, 34 ft., (1904), John H. Davis, Kingston.	Wawanosh, sail, 370 tons, 138 ft., (1873), Jas. King, Sarina, Ont.
Wanda II, stm., 51 tons, 94 ft., (1905), T. Eaton, Toronto, Ont.	Wawaskesh, stm., 19 tons, 37 ft., (1903), Wm. E. Bisgood, Toronto.
Wanderer, sail, 110 tons, 80 ft., (1866), John Spence, Jr., Southampton.	Wawinet, stm., 68 tons, 87 ft., (1904), Wm. McKenzie, Toronto.
Wanita, stm., 44 tons, 64 ft., (1896), R. J. Watson, Burk's Falls, Ont.	We C. U., stm., 6 tons, 57 ft., (1898), Colin Wigle, Amherstburg.
Wanneta stm., 2 tons, 25 ft., (1906), T. & W. Gordon, Lakefield, Ont.	Welcome, stm., 21 tons, 52 ft., (1886), Thos. Falls and James Poole, Meldrum Bay.
Wapenao, stm., 5 tons, 40 ft., (1893), T. Eaton, Toronto.	Welshman, stm., 204 tons, 105 ft., (1900), The Ottawa Forwarding Co., Ltd., Ottawa, Ont.
Waterlily, stm., 2 tons, 25 ft., (1904), Chas. H. Gray, Gananoque.	Wenona, stm., 26 tons, 66 ft., (1905), J. D. Reid, Prescott, Ont.
Water Lily, stm., 95 tons, 100 ft., (1891), A. W. Hepburn, Picton.	Wenonah, stm., 6 tons, 37 ft., (1899), Wm. McLaren, Perth.
Water Lily, stm., 54 tons, 80 ft., (1897-1901), Henry Calcut, Peterborough.	Wenonah, stm., 161 tons, 94 ft., (1886), R. J. Watson, Burk's Falls, Ont.
Water Witch, stm., 18 tons, 44 ft., (1900), Michael Dovey, Lindsay.	West, D. C., stm., 60 tons, 80 ft., (1874), J. Fleming, Toronto.
Water Witch, stm., 9 tons, 40 ft., (1880), J. H. Dunsford, Lindsay.	Westmount, stm., 1875 tons, 248 ft., (1903), Montreal Trans. Co., Ltd., Montreal, Que.
Watts, R., stm., 27 tons, 24 ft., (1887), Robt. Watts, Hamilton.	Westover, Luther, paddle stm., 127 tons, 112 ft., (1877), Boutelle Towing & Wkg. Co., Ltd., Sarnia.
Waubashene, stm., 96 tons, 71 ft., (1882), Frederick Wood, et al., Warton, Ont.	Westport, stm., 80 tons, 87 ft., (1903), Wesley Brooker, Portland, Ont.
Waubashene, stm., 135 tons, 78 ft., (1904), Georgian Bay Lumber Co., Ltd., Waubashene.	Wetherbee, J. W., stm., 165 tons, 111 ft., (1872), B. J. Kaine, St. Alphe, Chicoutime, Que.
Waubashene, sail, 478 tons, 149 ft., (1872), Collins Bay Rafting & Forwarding Co., Kingston.	Where Now, stm., 48 tons, 77 ft., (1889), Levi B. Spencer, Kingston.

- White, Eliza, sail, 105 tons, 93 ft., (1867-1887), P. McManus, Picton.
- White, N. W. sail, 99 tons, 82 ft., (1878), F. Tremblay, St. Siméon.
- White Oak, sail, 180 tons, 111 ft., (1867), D. W. Spence, Southampton.
- White Star, paddle stmr., 9 tons, 30 ft., (1900), Mrs. Ellen White, Lakefield.
- †White Star, paddle stmr., 629 tons, 167 ft., (1897-1905), Oliver Gillespie, Cornwall, Ont.
- White Wings, stmr., 3 tons, 35 ft., (1894), T. McDonald, Thurlow.
- White Wings, sail, 22 tons, 40 ft., (1886), R. W. Scarfe, Port Credit, Ont.
- Wiarion Belle, stmr., 88 tons, 103 ft., (1871), John Gidley, Penetanguishene.
- Wide Awake, 24 tons, 65 ft., (1887), John Tuttle, Kingston.
- William, sail, 287 tons, 128 ft., (1875), Kingston & Montreal Forwarding Co., Ltd., Kingston.
- William, John, stmr., 14 tons, 36 ft., (1888), W. W. Carter, Fesserton.
- Williams, Eliza, stmr., 50 tons, 62 ft., (1872), Can. Towing & Wrecking Co., Port Arthur, Ont.
- Willie, sail, 37 tons, 65 ft., (1871), J. Beausoliel, Sandwich East.
- Willis, stmr., 2 tons, 30 ft., (1898), D. O'Connor, Ottawa.
- Willson, Jennie, stmr., 7 tons, 36 ft., (1879), Snider Lumber Co., Ltd., Waterloo.
- Wilson, Alfred, stmr., 33 tons, 45 ft., (1879), D. Sutherland, Chatham, Ont.
- Wilson, Wm., stmr., 15 tons, 43 ft., (1892-1903), Frank Ross, Port Maitland.
- Wiman, Erastus, stmr., 54 tons, 65 ft., (1890), Mrs. Mary Denton and Lorenzo McHardy, Huntsville.
- Winnie, stmr., 14 tons, 48 ft., (1897), L. Belmore, Southampton.
- Winona, stmr., 231 tons, 100 ft., (1902), Mrs. Isabella D. White, Midland, Ont.
- Winslow, stmr., 353 tons, 120 ft., (1865), F. F. Pardee, Sarnia, Ont.
- Wolf Islander, stmr., 224 tons, 118 ft., (1904), The Corporation of the Township of Wolf Island, Ont.
- Wona, sail, 4 tons, 27 ft., (—), Wm. P. Eby, Toronto.
- Wright, Tommy, stmr., 12 tons, 44 ft., (1878), James Anderson, Midland.
- Wyandotte, sail, 305 tons, 141 ft., (1856), Frederick Wood, Wiarion, Ont.
- You and I, stmr., 25 tons, 52 ft., (1902), John McKeown, Port Maitland.
- Yvon, 51 tons, 58 ft., (1906), Sincennes, McNaughten Line, Montreal, Que.
- Zara, stmr., 35 tons, 55 ft., (1903), Pearsall & Dease, Port Rowan.
- Zeila, stmr., 3 tons, 36 ft., (1890), B. D. Stacey, Brockville.
- Zelma, stmr., 1 ton, 22 ft., (1901), R. L. Morgan, Lindsay.
- Zena, stmr., 4 tons, 27 ft., (1886), James Whalen, Port Arthur.
- Zephyr, stmr., 19 tons, 52 ft., (1885), Thos. Marks, Port Arthur.
- Zephyr, stmr., 3 tons, 27 ft., (1886), C. A. Bogert, Toronto.



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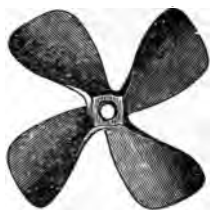
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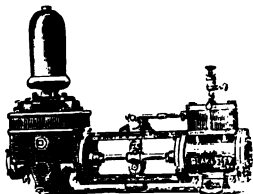
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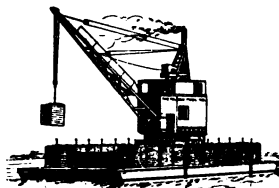
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## ENDOWMENT FUND IN 1907.

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A statement from the secretary showing amounts paid into this fund during 1907 by each subordinate lodge and amounts paid in the same year to beneficiaries of the fund through subordinate lodges.

---

Buffalo lodge paid into the endowment fund.....	\$1,754.00
Buffalo lodge paid two death claims to beneficiaries out of endowment fund .....	2,000.00
Port Huron lodge paid into the endowment fund.....	\$1,374.00
Port Huron lodge paid one death claim to beneficiary....	1,000.00
Chicago lodge paid into the endowment fund.....	\$2,326.00
Chicago lodge paid four death claims to beneficiaries out of endowment fund .....	4,000.00
Cleveland lodge paid into the endowment fund.....	\$4,024.00
Cleveland lodge paid six death claims to beneficiaries out of endowment fund .....	6,000.00
Milwaukee lodge paid into the endowment fund.....	\$1,330.00
Milwaukee lodge paid one claim to beneficiary.....	1,000.00
Detroit lodge paid into the endowment fund.....	\$2,934.00
Detroit lodge paid two death claims to beneficiaries out of endowment fund.....	2,000.00
Marine City lodge paid into the endowment fund.....	\$ 724.00
Marine City lodge paid one death claim to beneficiary....	1,000.00
Toledo lodge paid into the endowment fund.....	\$ 704.00
Toledo lodge paid one death claim to beneficiary out of endowment fund .....	1,000.00

## In memory

Of brother Ship Masters who have departed this life since the Association was organized.

ohn A. Archer,	John Cornish,	Michael Breathour,	John McNeff,
l. M. Becker,	Thomas Beniteau,	Morton H. Place,	Joseph S. Parsons,
P. McArthur,	Patrick Pardee,	W. H. Larrabee,	Frank Nixon,
Thomas Collins,	Zach Sargisson,	J. D. Mullen,	C. M. Davis,
H. Andrews,	Alpha Simons,	James Edgecomb,	Henry Dawson,
ohn Nelson,	John R. Donahue,	Joseph Shackett,	Charles McCrea,
J. Sexton,	J. B. McManus,	Thomas Walker,	George King,
P. Hodges,	C. S. Geel,	Wm. Rolls,	T. C. Ellis,
ohn Cotton,	W. H. Cowin,	E. Saveland,	Daniel Wall,
I. J. Hatch,	W. S. Mack,	W. H. McNelly,	C. B. Chatterson,
Edward Condon,	Byron Brown,	James Donegan,	James W. Millen,
ohn Condon,	Lorenzo W. Cook,	E. T. Hawley,	J. H. Green,
Thomas Riordan	Bernard Wilds,	F. D. Welcome,	Harry Rodgers,
ames Carlisle,	David Critchett,	P. Ryan,	C. F. Moore,
benj. Chambers,	Wm. G. Turner,	Wm. Cumming,	Albert M. Gibbs,
Henry Ellis,	Robt. Moore,	Wm. Hutcheson,	Joseph Hulligan,
ohn Keelin,	J. S. Lawton,	W. R. Williams,	George H. Flood,
Robert Hayes,	J. W. Farwell,	C. T. Morley,	Robert Todd,
Albert Meyers,	J. W. Martin,	Thos. Richardson,	George M. Dennis,
P. G. Minch,	Peter Cromley,	William Cavers,	Alex. Begg,
Peter J. Kenney,	Thos. Cowan,	Martin Johnston,	L. P. Goodale,
A. Muir,	C. A. Peltier,	Wm. Morse,	F. A. Wetmore,
A. W. Reed,	Thos. H. Stafford,	John Buie,	Parlane McFarlane,
P. Ryan,	Wm. H. Wallace,	M. W. Gotham,	Thomas Jones,
W. Dorsey,	Daniel Jones,	Henry Jeffrey,	W. A. Irvine,
K. Porter,	James Snell,	C. H. Lewis,	David Curran,
H. Weeks,	Chas. W. Black,	L. H. Waterbury,	Nelson Blair,
P. Woods,	John N. Lundy,	J. C. Carry,	C. C. Allen,
Shannon,	Henry Root,	A. C. Reimers,	Wm. J. Leaver,
V. E. Ladner,	John Freer,	E. W. Haskins,	Chas. McIntosh,
I. A. Sisson,	Alvin Neal,	B. C. Gray,	Lyander Davidson,
I. B. Vosburg,	F. J. Cadotte,	D. A. McLaughlin,	Geo. S. Stilphen,
George Scott,	J. B. Pierce,	Henry Berlin,	II. W. Blue,
Thomas Maytham,	James Drake,	Warren Morris,	J. B. Hocrath,
M. Peck,	John C. Brown,	W. W. Brown,	Geo. F. Dayton,
no. R. Gorman,	Delos Waite,	J. R. Sinclair,	Ed. Smades,
Thos. Harbottle,	John S. Van Rensler,	Louis Ryerse,	Elton E. Ratray,
ames Frasier,	D. H. Bryant,	Wm. Dickson,	Henry May,
ouis Guthrie,	Peter C. Bassett,	Richard Neville,	Joseph A. Calbick,
George W. Stoddard,	A. A. Cox,	Charles Brown,	Timothy Rahill,
Albert Meswald,	Joseph Nicholson,	R. H. White,	Geo. W. Burtis,
D. M. Jones,	A. Morrison,	A. P. Clinton,	Thos. Delargie,
ames Webber,	John W. Jordan,	Edmund Fitzgerald,	Carlton Graves,
Thomas Rowley,	Wm. Young,	J. Harrington,	John N. Smith,
R. E. Gain,	Fred N. La Salle,	John Jenkins,	James Leitch,
E. J. Purcell,	Albert Stewart,	P. W. Stanton,	John Wright,
William Carlisle,	F. J. McCabe,	John McCarthy,	Geo. Pollick,
J. Robinson,	James Lawless,	James Parsons,	Ed. C. Copeland,
Edward Kelley,	John Hagan,	W. C. Godsell,	Peter McCulloch,
I. C. Little,	John Hurley,	John Coulter,	Wm. Mitchell,
Alexander Read,	John Leonard,	J. C. Thompson,	Paul T. Weimar,
Smith Moore,	Jos. L. Munger,	F. A. Chalcraft,	Chas. Christy,
ohn C. Flor,	J. W. Moore,	Maurice Barrett,	Henry Bennett,
Thomas Hackett,	Chas. Miner,	Francis Nixon,	S. A. Gilmore,
Fred G. Boothman,	Thos. Currie,	T. H. Howland,	
ohn Wilson,	W. S. Smith,	Wm. Shanks,	
Peter J. Girard,	John Robertson,	P. A. Anderson,	
Eugene Winchester,	Thos. Ledden,	James Doyle,	

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## REPORT OF COMMITTEE ON MEMORIAL.

MILWAUKEE, WIS., Jan. 29, 1908.

To the Grand Lodge of Ship Masters' Association, we your Committee, beg to report the following:—

The flowers scattered on the newly made graves, in the abode of silence, remind us of the solemn fact, that we are born to die. The silent angel ever mindful of his duty has reverently, and solemnly chosen his annual selection from among our worthy Brothers, and they have gone from us forever.

Like a ripple upon the placid surface of the Lake or perchance, the mighty dashing roar of the waves on the shore, their lives were seen or felt for a time, and are now lost in the midnight of oblivion, but their memories are still aglow with the brilliancy of divinity.

Our love and regard goes out toward them, and the bereaved living and never so long as our organization stands, will these unconscious sleepers be forgotten. Let us reverently pause and contemplate the names of our dead.

Geo. S. Stilphen.

H. W. Blue.

J. B. Hocrath.

Carlton Graves.

Geo. F. Dayton.

Ed. Smades.

Elton E. Rattray.

Henry May.

Jos. A. Calbick.

Timothy Rahill.

Geo. W. Burtis.

Thos. Delargie.

John N. Smith.

Jas. Leitch.

John Wright.

Geo. Pollick.

Ed. C. Copeland.

Peter McCulloch.

Wm. Mitchell.

Paul T. Weimar.

Chas. Christy.

Henry Bennett.

S. A. Gilmore.

These names speak to us in loving remembrance. They speak kindly; they inspire us with their silent eloquence, and the import of the message, from the silent solemn chambers of death, is duty and an invocation to its faithful fulfillment.

Soft and safe be their anchorage

And bright the day of their resurrection.

H. BROWN.

JAS. B. LYONS.

---

## THE GRAND PRESIDENT'S REPORT.

To the officers and delegates, Grand Lodge Ship Masters Association.

I beg to submit my report for the past year. I am pleased to say we have increased our membership by 62, and the prospects for the coming year is very encouraging. I would impress upon the members that with a little more exertion on their part I am sure our membership would double. I hope you will all return to your local lodge and strive to encourage all its members to use able efforts for new members as every new member secured is a benefit to them. The report of your Grand Financial Secretary and Treasurer I am sure is very gratifying and when spread upon our minutes will be acceptable to them. I regret to say that we have the Nicholson claim to place before you to give it your immediate attention. Our Grand Financial Secretary will give you all the information. I have information that in the near future a demand will be made on this Association for \$500.00 under an old constitution, the Disability Clause. Please give that your earnest attention. You will also have to consider the report of outsiders soliciting ads for our 1908 Directory under false misrepresentation to our patrons. I would suggest you have our Grand Financial Secretary issue a card under seal of Grand Lodge to every member of our association giving them authority to solicit ads and to have a circular letter mailed with our book informing patrons of our intention. I am sure that will prove very satisfactory to everyone. I hope this honorable body will take some action to put enthusiasm in our members so the grand old sight will reappear on the lakes and we will see every member flying his emblem, for I regret to say our flag is fast disappearing from the lakes. By your resolutions at last Grand Lodge meeting you instructed me to call on any member to help revise the constitution and I called on Brothers Crosby and Mahon, of Detroit lodge, and I expect everything will be in readiness for you to act upon it. As the vessel owners almost to a man are members of our Association, I hope you will take some action to get in closer touch with them. I believe if you will appoint a committee from each lodge to call upon them it will bear fruit. I will offer suggestions under the good of the order. Brothers please remember that the eyes of the world are on us and by showing business ability we will gain many new members for our valued Association.

I wish to thank you for your able support of me in the past as I can assure you will give me much encouragement to keep up the good work. I hope you will give to my successor the same support you gave to me and I can assure you the results will show.

Thanking you again for your able assistance.

Respectfully submitted,

M. G. McINTOSH, Grand President.

## ADDRESS OF PAST GRAND PRESIDENT CLARK.

(From proceedings of the Grand Lodge, Ship Masters' Association, in annual session at Milwaukee, January, 1908.)

To the Grand Lodge and members of the Ship Masters' Association of the Great Lakes:—

At the close of the 22nd year of our existence, I congratulate you upon the magnificent record of this organization. From its very beginning it has grown steadily and uninterruptedly in strength and in prestige until today it is the most powerful association of vessel-men in the world. So great indeed has become its influence, that to it and to the concerted action of its members, and to it and to them alone, can be ascribed the securing of every legislative enactment of the last decade that has made for the bettering of the condition, and the ensuring of the safety of the lives of the ship masters and sailors of the fleets of the Great Lakes. Upon your growth in strength, and in influence and in power, I congratulate you.

And I congratulate you, too, upon the noble work that this association has done for the families of its deceased members. In the score of years of our existence, with a membership that has never exceeded one thousand, we have paid to the survivors of our deceased members almost a quarter of a million of dollars. This is the most commendable and the most honorable of our achievements.

I now urge upon you, as the governing body of this association, in whose welfare I have been so deeply concerned, a careful consideration of the question of how we can increase the numerical strength of our association. The greater our membership is the greater our influence for the bettering of our conditions and the greater our facilities for the assisting of one another. With four to five thousand vessel men on the Great Lakes, why should we not have a membership of 2,000 instead of 1,000, and why should we not then be able to pay over to the families of our deceased members **not \$1,000 but \$2,000?** Can you not, as the governing body of this Association, devise some plan whereby the membership of the subordinate lodges can be doubled? This is a question that is vital to the interests of every member of the Association, and I submit it to you for the thoughtful consideration of which it is deserving.

As Grand President and as Past Grand President of this Association, I have labored assiduously for its welfare and I have given to it my best thought and effort. I have studied its realizations and its possibilities, and I know how great its possibilities are. And having studied the situation most carefully, I am convinced that the greatest need of the Association today is the need of competent, thoughtful, aggressive men at the head of the Grand Lodge and subordinate lodges who will give generously of their time for the good of their fellows. For this class of official I feel that the term of

office, in both the Grand Lodge and the Subordinate Lodge, should be increased from one year to three years, or even more. Under the present conditions an officer is scarcely familiar with the duties of his office, and has scarcely become valuable to the Association, before a wholly inexperienced successor is elected to relieve him. This, I submit, is the greatest weakness of our Association.

And I further recommend to you that the Grand Lodge at this meeting provide for the printing and distributing of the Constitution of the Association. The original Constitution of the Association was adopted twenty-two years ago and it has been amended and re-amended at every annual convention of the Grand Lodge since that time. Today no man knows what the organic law of the Association is unless he is familiar with the original constitution and with every amendment scattered through each copy of the annual Proceedings of the Association for the past twenty-one years. To ascertain the organic law of the Association one must have at his elbow the original constitution and twenty-one volumes of Annual Proceedings. I recommend that the Constitution, as it exists, today, be printed in booklet form and distributed to every member of the Association, and I further recommend as a matter of detail, to expedite the handling of the business of the annual conventions of the Grand Lodge, and to save from two to two and one-half days of the time of the convention, that the books and accounts of the Grand Treasurer be reviewed by an expert accountant, paid for the purpose, and not by members of the Grand Lodge.

Again I congratulate you upon the full measure of success and prosperity which our association has enjoyed. And for the years that are to come my fondest hope is that it will realize, in the highest degree, the lofty aims and ambitions that have guided it in the years that have gone.

ALEK. CLARK, Past Grand President.

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### MAJOR JUDSON'S ADDRESS.

Mr. President and Gentlemen of the Ship Masters' Association:

I cherish very highly every opportunity, and especially this notable one, to meet and talk with the men who sail the ships to and from harbors that it is my duty to improve and maintain, and who are guided by lights and fog signals which it is my duty to build.

I think I can render no greater service this morning than to tell you something of the relation of the U. S. Engineer to harbor improvements and to projects for aids to navigation. I will also try to point out where we can work together in such matters.

With regard to harbors, the demand for new work must originate with Congress. The Engineer then reports whether the work is worthy of being done, prepares plans and estimates, and if an appropriation be made, does the work. As to harbor maintenance the Engineer can make such suggestions as he sees fit.

In the matter of aids to navigation the Engineer has somewhat greater freedom of initiative than in harbor matters. Either the Light House Inspector who is a naval officer charged principally with the discipline of the keepers, or the Light House Engineer, who is charged with the construction and maintenance of fixed aids to navigation, may separately suggest to the Light House Board any new desirable aid; or to make it stronger the Inspector and Engineer may make joint report.

With regard to harbors there is not so much that you navigators can do except to come frankly to the Engineer whenever a valuable idea occurs to you or whenever there exists some trouble that the Engineer has power to rectify. Ordinarily the cities at which the harbors are located have sufficient interest in harbor matters to urge them upon Congress.

For the efficient maintenance of the harbors on the west shore of Lake Michigan there is greatly needed a sea-going suction dredge like the "Gillespie," used on the other side of this lake, and the "Burton," which is operated on Lake Erie. You are doubtless familiar with these dredges, and may know their value. Dredge contractors bitterly oppose the procurement of them for reasons that are not difficult to understand. The Lake Carriers' Association and the various ports through their city councils and civic organizations, are urging that the dredge be built. It would be a good thing if your organization would look into this matter and take appropriate action.

As regards aids to navigation, it seems to be almost a case of "what is everybody's business is nobody's business." We get various recommendations through the Light-House Board to Congress, but Congress exclaims "where are the navigators who need these aids?" The other day when I was in Washington the appropriation committee was considering estimates for a certain bill in which appeared an item for a fog signal at Big Point Sable. The chairman asked "How long has that place been without a fog signal?" The answer was "Since time began." "Then," said the chairman, "I do not see why such an aid is needed now." If there had been a deputation of navigators there, or perhaps even a strong written presentation of your needs, formulated by your association, it would have helped a great deal.

The new aids we are working for on Lake Michigan are as follows:

Light-ships off Milwaukee and at South-east Shoal, Manitou passage.



A fog signal at Big Point Sable.

A light-house and fog signal on Lansing Shoal.

An acetylene buoy on Garden Island Shoal.

I recently had a conference in Washington with the Hon. Wm. H. Stafford, Congressman from this city, and he has introduced bills for all of the above mentioned aids. The Light-House Establishment is for them. But whether we get them depends on Congress, and what Congress will do partly depends upon you.

Other Lake Michigan aids which are needed and which the Light-House Board has officially proposed to Congress are light-houses, with fog signals, at Fisherman's Shoal, Point Aux Barques and Gull Island.

Appropriations for light-house purposes will be no larger and, in my opinion, will remain insufficient until you, the vessel owners, and the various interests at the ports make your needs strongly felt through your representatives in Congress.

I could talk all day to you, gentlemen, but I do not wish to trespass upon your valuable time.

I invite you one and all to call at my office in the Post Office building, and I sincerely hope you'll come up and talk matters over with me.

I thank you for your kind attention.

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## SIGNALS—DECK AND ENGINE ROOM.

Rules and regulations of the United States steamboat inspection service relating to starting, stopping and backing signals for the great lakes provide that there shall be used between the master or pilot and engineer the following code of signals, to be made by bell or whistle namely:

- |                            |            |
|----------------------------|------------|
| 1 whistle or 1 bell.....   | Go ahead.  |
| 1 whistle or 1 bell.....   | Stop.      |
| 2 whistles or 2 bells..... | Back.      |
| 3 whistles or 3 bells..... | Check.     |
| 4 whistles or 4 bells..... | Strong.    |
| 4 whistles or 4 bells..... | All right. |

Two whistles or two bells shall always mean back, irrespective of other signals previously given.

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## GREAT LIGHTHOUSE INSTITUTION.

With each succeeding year the reports of the United States Light-house Board, which is a part of the department of commerce and labor, show the greatness of this institution. Its scope is greater

than that of any similar body in the world. On Oct. 7, 1907, there were under control of this establishment, 10,323 aids to navigation, divided as follows:

Lighthouses and beacon lights.....	1,479
Light-vessels in position.....	49
Light-vessels for relief.....	11
Gas-lighted buoys in position.....	153
Fog signals operated by steam, caloric, or oil engines, about.....	217
Fog signals operated by machinery (clockwork) about.....	246
Post lights, about .....	1,964
Day or unlighted beacons, about .....	595
Whistling buoys in position, about.....	92
Bell buoys in position, about.....	152
Other buoys in position, including buoys and stakes in Fifth and Eighth districts, and buoys in Porto Rican, Hawaiian, and Alaskan waters.....	5,365
<b>Total.....</b>	<b>10,323</b>

In the construction, care, and maintenance of these aids to navigation there are employed:

Steam tenders .....	43
Steam launches .....	3
Sailing tenders .....	1
Light keepers, about.....	1,585
Officers and crews of light ships and tenders, about.....	1,400
Laborers in charge of post lights, about.....	1,760
Laborers and mechanics under lighthouse engineers, about.....	560

As showing exactly the expenditure involved in maintenance it may be noted that for the present fiscal year, to end June 30, 1907, the appropriations from congress aggregate \$3,930,000. The items involved in maintenance are:

Supplies to lighthouses.....	\$ 600,000
Repairs and incidental expenses to lighthouses.....	800,000
Salaries of keepers of lighthouses.....	950,000
Expenses of light vessels.....	625,000
Expenses of buoyage.....	700,000
Expenses of fog signals.....	235,000
Lighting of rivers.....	375,000
Survey lighthouse sites.....	1,000
Oil houses for light-stations.....	15,000
Maintenance of lights on channels of the great lakes.....	4,000
Point au Pelee light vessel, Lake Erie.....	4,000
<b>Total.....</b>	<b>\$4,309,000</b>

## LIFE-SAVING STATIONS ON THE LAKES.

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### LAKE ONTARIO.

Big Sandy—North side mouth of Big Sandy creek.  
Oswego—East side entrance of Oswego harbor.  
Charlotte—East side entrance of Charlotte harbor.  
Niagara—East side entrance of Niagara river.

### LAKE ERIE.

Buffalo—South side entrance of Buffalo harbor.  
Erie—North side entrance of Erie harbor.  
Ashtabula—West side of Ashtabula harbor.  
Fairport—West side entrance of Fairport harbor.  
Cleveland—West side entrance of Cleveland harbor.  
Marblehead—Point Marblehead, near quarry docks.

### LAKE HURON.

Lake View Beach—Five miles north of Ft. Gratiot light.  
Harbor Beach—Inside Harbor Beach harbor.  
Point aux Barques—Near lighthouse.  
Port Austin—About 2 miles northeast of Port Austin and about 2 miles southeast of Port Austin reef light.  
Tawas—Near lighthouse.  
Sturgeon point—Near lighthouse.  
Thunder Bay island—West side of island.  
Middle island—North end of the island.  
Hammond—Hammond's bay.  
Bois Blanc—About midway east side of island.

### LAKE SUPERIOR.

Vermilion—Ten miles west of Whitefish point.  
Crisps—Eighteen miles west of Whitefish point.  
Two Heart river—Near mouth of Two Heart river.  
Deer Park—Near mouth of Sucker river.  
Grand Marais, Mich.—West of harbor entrance.  
Marquette—Near lighthouse.  
Portage—Old Portage Lake ship canal,  $\frac{3}{4}$  mile from north end, on east bank.  
Duluth—On Minnesota point, upper Duluth.

### LAKE MICHIGAN.

Beaver island—Near lighthouse.  
Charlevoix—South side of harbor entrance.  
North Manitou island—Near Pickards wharf.  
South Manitou island—Near lighthouse.  
Sleeping Bear point—Near Glen Haven.  
Point Betsie—Near lighthouse.

Frankfort—South side entrance of harbor.  
 Manistee—North side entrance of harbor.  
 Grande Pointe au Sable—One mile south of light.  
 Ludington—North side entrance of harbor.  
 Pentwater—North side entrance of harbor.  
 White river—North side entrance of White Lake.  
 Muskegon—North side entrance of harbor, Port Sherman.  
 Grand Haven—North side entrance of harbor.  
 Holland—In the harbor, south side.  
 South Haven—North side entrance of harbor  
 Saint Joseph—In the harbor, north side.  
 Michigan City—East side entrance of harbor.  
 South Chicago—North side entrance of Calumet harbor.  
 Jackson Park—About 7 miles S. by E. of Chicago river light.  
 Old Chicago—In the harbor.  
 Evanston—On the Northwestern University grounds.  
 Kenosha—In the harbor, on Washington island.  
 Racine—In the harbor.  
 Milwaukee—Near entrance of harbor, south side.  
 Sheboygan—Entrance to harbor, north side.  
 Two Rivers—North side entrance of harbor.  
 Kewaunee—North side entrance of harbor.  
 Sturgeon Bay canal—Eastern entrance of canal, north side.  
 Baileys Harbor—On easterly side of harbor.  
 Plum island—Near northeast point of island, 2 miles northwest of  
 Pilot island light.

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## DIFFERENT STRAINS IN A SHIP.

By Charles A. Potter, Local Inspector of Hulls.

Ships are built on a combination of two systems of framing; viz., longitudinal and transverse. Longitudinal includes all those structural parts of a vessel which run in a fore and aft direction, and afford longitudinal strength.

Transverse framing includes all material giving transverse or athwartship strength. The strongest ship is only obtained when these two systems have been intelligently woven together, the strength of the one co-operating with the strength of the other; that is, in relation to the work which they have to do. When this is accomplished the whole is then covered by a skin in the form of a shell-plating and decks, and by this means the skeleton or framework of the ship is still further united and strengthened.

### Strain When Floating Light.

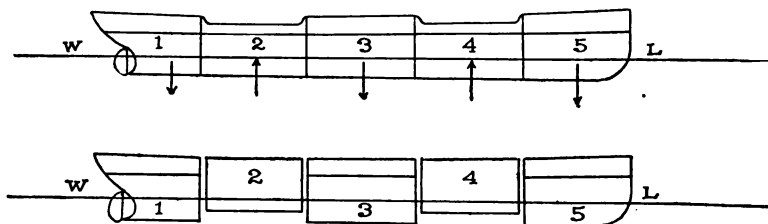
Looking at an ordinary cargo steamer floating at rest at her moorings, one would almost imagine at first sight that she is perfectly free from

strain. But on investigation this is not so. Any object placed in water, whether it be a ship or a log of wood, will sink until it has displaced a volume of water equal in weight to itself, or, in other words, before the object will remain stationary, and at rest at any waterline, the downward pressure of the weight of the object floating must be exactly balanced by an equal upward pressure of water.

### Effect of Water Pressure on a Ship.

Upon the whole of the immersed surface of the skin of the vessel the water is pressing in lines of force square to the surface, longitudinally, transversely, obliquely, and vertically, tending to crush in the sides, ends and bottom, or to push the vessel out of water.

Supposing the vessel shown in Figs. 1 and 2 (of Lehigh Valley



line type of package freighter) be say, 300 feet long, and classed at Lloyds, she would require four watertight bulkheads, one at each end of the engine and boiler space, a collision bulkhead at the forward end and another bulkhead at the after end. The weight of the vessel light being, say, 500 tons, when launched she would displace a volume of water 500 tons in weight, and would thus remain stationary, at the waterline, W. L., as shown in Fig. 1 and 2.

But suppose the vessel could be divided off into five separate parts at the four watertight bulkheads, and each part floated separately, as shown in sketch (Fig. 2). It will now be seen that the draughts vary for each part, and none of them float at the original waterline. A little observation will soon explain this.

The total weight of all the parts is exactly the same, and therefore the total water displaced is the same; but throughout the length of the vessel there is an unequal distribution of weight and buoyancy. Thus, for example, referring to the sketch, parts 1 and 5, the ends of the vessel, being very fine and yet of considerable weight, in order that they may be balanced by the buoyancy, they will have to sink to the draught as shown. In parts 2 and 4, we have the vessel rapidly increasing in internal capacity of fullness, and small in weight in comparison with the volume of the enclosed space, the result being that these parts float at a less draught than previously. In No. 3 we have

the fullest part of the vessel with the greatest floating power; but in this compartment is concentrated the weight of the engines and boilers, which tends to increase the draught upon what it is in the combined ship. Thus we see that throughout the length there is a series of upward and downward vertical strains, as shown by the arrows, tending to alter the form of the vessel. This affords one consideration in constructing an efficient ship namely, that there is sufficient strength to prevent any such alteration in form taking place, or even any sign of such strain being endured.

### **Strains in Loading.**

Now it can easily be seen how these strains may be considerably increased when loading; for instance, if in the case of a miscellaneous cargo, the heavy weights being placed towards the ends of the vessel where the buoyancy is least, the tendency of the ends of the vessel to droop would be greatly aggravated. The endeavor should be to distribute the heavy weights of the cargo so as to produce a balancing effect between the forces of weight and buoyancy and thus avoid great local excess. By this it is possible to reduce the strain even from what it is in the light condition.

In considering strains at sea the evil of bad loading will be seen still more clearly. In addition to the vertical strains to which the vessel is subject while lying at rest, there are collapsing strains acting upon every portion of the immersed skin of the ship; be it remembered that the force of buoyancy acts in perpendicular lines to the immersed surface. Thus, while there is an upward pressure tending to thrust the vessel out of water there are also horizontal and oblique forces tending to crush in the sides of the ship. It will be obvious that the greater the immersed girth of the vessel, the greater the strain—thus, the strain is greatest at amidships; and towards the ends as the vessel becomes finer, it gradually diminishes.

### **Types of Vessels Subject to Greatest Strains.**

The principle which applies to a plate or girder applies equally well to a ship, for, after all, a ship is simply a huge, hollow girder, and from the foregoing reasons the following deductions may be made: First, that vessels of great length are therefore subject to excessive bending moment among waves, and require more longitudinal strength than short ones (not necessarily more transverse strength). Second, that long, shallow vessels possessing less resistance to tensile and compressive strains require additional longitudinal strength. Third, that in all vessels more strength is required in the region of amidships, and may be gradually reduced towards the ends.

### **Strains Among Waves.**

In studying a ship in a sea when the ends are supported on waves, it is observed that the midship part, containing engines, boilers, bulk-

heads, etc., is to a large extent unsupported, the vessel, especially if a long one, enduring a severe sagging strain, tending to make her droop amidships. There are cases on record where long, shallow vessels have actually fractured through the middle and sunk.

This provides another reason why a vessel should have greater longitudinal strength amidships than elsewhere. Moreover, owing to the rapid transit of the waves and, therefore, the unequal distribution of weight and buoyancy, the vessel is subject to a succession of severe and sudden strains. It will also be seen that in rolling among waves, there is a great tendency for a ship to alter in transverse form. Under such circumstances she may be compared to a box. If a series of irregular, collapsing strains be put upon the exterior of the box, the tendency is not so much to fracture but to work at the corners. Exactly the same thing takes place with a ship at sea as she rolls among the waves. Thus far, only strains affecting a ship as a whole have been considered, but there are several other strains it is necessary to take into account which only affect a vessel locally. First, panting strains, the fore end of the vessel, especially when of a bluff form of stem and driven at a high speed, being the first part to pass through the water, naturally suffers great head resistance, tending to make this part pant or work in and out. Second, strains to propulsion by steam. These strains may be divided into two parts, first, strains owing to weight of engines and boilers, and second, strains due to vibration of shaft, etc.; third, strains owing to heavy permanent weights carried, such as winches, windlasses, cranes, anchors, etc.; fourth, strains due from deck cargo. It is customary with many vessels, to carry a heavy deck cargo of timber, etc. Many of the shipmasters engaged in such trades are not unacquainted with the fact that owing to the heavy deck weight these vessels are severely strained, and sometimes take a set or sort of twist, and this is only discovered after the cargo has been removed, when the vessel, sometimes with a considerable report, frees herself from the strained condition with a severe trembling from stem to stern. On examination it is found that many of the rivets in the heads of the hold stanchions or pillars have been sheared, and considerable damage done to the beam knees. Fifth, strains from shipping of seas against deck houses or bridge fronts. Bridge and deck houses with closed ends are subject to sudden and severe strains, owing to the shipping of heavy seas, which will evidently spend their force against these bulkheads. Such parts, therefore, require special attention, and it is only possible to secure the maximum allowance of freeboard when these parts are most efficiently constructed. Sixth, strains from loading cargoes aground. Vessels engaged in trades where it is known that they will lie aground during the operation of loading or unloading, require special stiffening on the bottom. And so cases might be enumerated where, special strains having to be endured, special strengthening must be provided. Excessive strains, such as those borne by a vessel when run

ashore, as frequently happens, so that one end only is water-borne, or where the vessel, possibly laden with a heavy cargo, is laid across a sand bank, or a reef, with ends unsupported, the ship builder can not attempt to cover, but all strains, such as those already mentioned, may be thoroughly provided against. A vessel in dry dock, unless carefully shored, may be considerably damaged. There have been many cases of drydocking where the bilges have drooped, through carelessness or ignorance of those in charge of docking the ship.

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## CANALS FROM LAKES TO ATLANTIC.

On another page will be found a small diagram with brief reference to canals of the St. Lawrence river. A demand has existed for a more complete description of the Canadian canals in this work. It will be found in the following paragraphs:

The Canadian canals, which have made it possible for a vessel drawing 14 ft. of water to reach the Atlantic from the lakes, are as follows, beginning down the St. Lawrence river: Lachine canal,  $8\frac{1}{2}$  miles; Soulanges canal, 14 miles; Cornwall canal, 11 miles; Farran's Point canal, 1 mile; Rapide plat canal, 3 2-8 miles; Galops canal, 7 1-3 miles; Welland canal,  $26\frac{3}{4}$  miles; total 72 2-8 miles. The River St. Lawrence with the system of canals established on its course above Montreal, and the lakes Ontario, Erie, St. Clair, Huron and Superior, with connecting canals, afford a course of water communication extending from the Straits of Belle Isle to Port Arthur at the head of Lake Superior, a distance of 2,260 statute miles. The distance to Duluth is 2,384 miles. From the straits of Belle Isle, at the mouth of the St. Lawrence, to Montreal the distance is 986 miles. From Quebec to Montreal the distance is 160 miles. Owing to the shallowness of the waters on a portion of the river between these two places, particularly through Lake St. Peter, vessels drawing more than from 10 to 12 ft. were formerly barred from passage for the greater part of the season of navigation. In 1826 the question of deepening the channel was first definitely mooted, but it was not until 1844 that any dredging operations were begun. In that year the deepening of a new straight channel was commenced, but the scheme was abandoned in 1847. In 1851 the deepening of the present channel was begun. At that time the depth of the channel at low water was 10 ft. 6 in. By the year 1869 this depth had been increased to 20 ft., by 1882 to 25 ft., and by the close of 1888 the depth of  $27\frac{1}{2}$  ft. at low water was attained for a distance of 108 miles from Montreal to a point within tidal influence. This work is now being continued by the government of Canada, which in 1888 assumed the indebtedness incurred. The channel has a minimum width of 300 ft., extending to 550 ft. at points of curvature. It is lighted and buoyed.

Montreal has by this work been placed at the head of ocean navigation and here the canal systems of the river St. Lawrence begin, overcoming the various rapids by which the river channel upward is obstructed, and giving access, through the St. Lawrence canals, the Welland



canal, the great lakes and the Sault Ste. Marie canal to the head of Lake Superior. The difference in level between the point on the St. Lawrence near Three Rivers where tidal influence ceases and Lake Superior is about 600 ft. The total lockage (or height directly overcome by locks) from tide water to Lake Superior is 551 ft. The number of locks through which a vessel would pass in its passage from Montreal, at the head of ocean navigation, to the head of Lake Superior, is forty-seven.

It is important to note that the enlargement of the canals on the main route between Montreal and Lake Erie comprises locks of the following minimum dimensions: Length 270 ft., width 45 ft., depth of water on sills 14 ft. The length of the vessels to be accommodated is limited to 256 ft. At Farran's point in the canal of that name the lock is 800 ft. long. A similar lock is built at Iroquois on the Galops canal, the object being to pass a full tow at one lockage.

Leading particulars of the Lachine canal are as follows: Length,  $8\frac{1}{2}$  statute miles; number of locks, five; dimensions of locks, 270 ft. by 45 ft.; total rise or lockage, 45 ft.; depth of water on sills at two locks, 18 ft., and at three locks, 14 ft.; average width of new canal, 150 ft. The old lift locks, 200 ft. by 45 ft., are still available with 9 ft. of water on mitre sills. The depth of the canal between locks is now adapted to vessels of 14 ft. draught. The canal consists of one channel, with two distinct system of locks, the old and the enlarged. There are two lock entrances at each end. The canal extends from the city of Montreal to the town of Lachine, overcoming the St. Louis rapids, the first of a series of rapids which bars the ascent of the river St. Lawrence.

Dimensions of the Soulanges canal are: Length of canal, 14 miles; number of locks, lift four, guard one; dimensions of locks, 280 ft. by 45 ft.; total rise on lockage, 84 ft.; depth of water on sills, 15 ft.; breadth of canal at bottom, 100 ft.; breadth of canal at water surface, 164 ft.; number of arc lights, 219 of 2,000 candle power each. The canal extends from Cascade point to Coteau landing, overcoming the Cascade rapids, Cedar rapids and Coteau rapids.

Dimensions of the Cornwall canal are: Length of canal, 11 miles; number of locks, 6; dimensions of locks, 270 ft. by 45 ft.; total rise or lockage, 48 ft.; depth of water on sills, 14 ft.; breadth of canal at bottom, 100 ft.; breadth of canal at water surface, 164 ft. The old lift locks, 200 ft. by 45 ft., are also available with 9 ft. of water on mitre sills. From the head of the Soulanges to the foot of the Cornwall canal there is a stretch through Lake St. Francis of  $3\frac{3}{4}$  miles, which is being made navigable for vessels drawing 14 ft. The Cornwall canal extends past the Long Sault rapids from the town of Cornwall to Dickenson's landing.

The Farran's point, Rapide plat and Galops canals are collectively known as the Williamsburg canals. Dimensions of the Farran's point canal are: Length of canal, one mile; number of locks, one; new lock, 800 ft. by 45 ft.; old lock, 200 ft. by 45 ft.; total rise or lockage,  $8\frac{1}{2}$  ft.; depth of water on sills of new lock at ordinary water level, 14 ft.; depth of water on sills of old lock at ordinary water level, 9 ft.; breadth of canal at bottom, 90 ft.; breadth of canal at water surface, 154 ft. From the head of Cornwall canal to the foot of Farran's point canal the dis-

tance on the St. Lawrence river is 5 miles. The latter canal enables vessels ascending the river to avoid the Farran's point rapids passing the full tow at one lockage. Descending vessels run the rapids with ease and safety.

Particulars of the Rapide plat canal are as follows: Length of canal, 32-3 miles; number of locks, two; dimensions of locks, 270 ft. by 45 ft.; total rise or lockage,  $11\frac{1}{2}$  ft.; depth of water on sills, 14 ft.; breadth of canal at bottom, 80 ft.; breadth of canal at surface of water, 152 ft. The old lift lock, 200 ft. by 45 ft., is also available with 9 ft. of water on mitre sills. From the head of Farran's point canal to the foot of Rapide plat canal there is a navigable stretch of  $10\frac{1}{2}$  miles. This canal was formed to enable vessels ascending the river to pass the rapids at that place. Descending vessels run the rapids safely.

Dimensions of the Galops canal are: Length of canal,  $7\frac{1}{2}$  miles; number of locks, three; dimensions of locks (two), 270 ft. by 45 ft., (one) 800 ft. by 45 ft.; total rise or lockage,  $15\frac{1}{2}$  ft.; depth of water on sills, 14 ft.; breadth of canal at bottom, 80 ft.; breadth of canal at surface of water, 144 ft. From the head of Rapide plat canal to Iroquois, at the foot of the Galops canal, the St. Lawrence is navigable  $4\frac{1}{2}$  miles. This canal enables vessels to overcome the rapids at Pointe aux Iroquois, Point Cardinal and the Galops.

Dimensions of the Murray canal (extending through the Isthmus of Murray, giving connection westward between the head waters of the bay of Quinte and Lake Ontario, and thus enabling vessels to avoid the open lake navigation), are: Length between eastern and western pier-heads,  $5\frac{1}{2}$  miles; breadth at bottom, 80 ft.; breadth at water surface, 120 ft.; depth below lowest known lake level, 11 ft.; no locks.

The Welland canal is too well known to require extended description. Its main line runs from Port Dalhousie, Lake Ontario, to Port Colborne, Lake Erie. The Welland canal has two entrances from Lake Ontario at Port Dalhousie, one for the old and the other for the new canal. From Port Dalhousie to Allanburgh,  $11\frac{3}{4}$  miles, there are two distinct lines of canal in operation, the old line and the enlarged or new line. From Allanburgh to Port Colborne, a distance of 15 miles, there is only one channel, the old canal having been enlarged.

It is but just to state that considering its population and resources Canada has done vastly more for its waterways than has the United States. The sum of \$75,000,000 is mentioned as a conservative estimate of the money which the Dominion government spent in its canals before a dollar's worth of commerce could adequately utilize them. No commercial enterprise in the world can tell a similar story of faith and confidence in itself. The placing of 14 ft. as the maximum depth for the canals seems strange in the light of today; but it must be remembered that when the system of canals was designed it was supposed that a 14-ft. waterway would be ample for all time upon the great lakes. The depth which at that time vessel men were looking forward to upon the lakes was a uniform one of 12 ft. The great steel carrier was not even a dream then of the most daring of minds.

## AZIMUTHS—A Correction of Compass Courses.

(Contributed by Mr. Arthur Dovale, nautical expert, Cleveland.)

The United States hydrographic office recommends the use of the azimuth tables to ascertain the error of the compass as a handy method and one that will assist in relieving the masters of vessels of great responsibility. The only book absolutely necessary for working azimuths are the "Azimuth Tables" (H. O. No. 106, price 50 cents). It is also necessary to have the equation of time and the declination, which can be found in the weekly "Notices to Mariners." These notices are distributed free of charge by the branch hydrographic offices. Better than these notices, however, for working azimuths is a copy of "The Sun's Apparent Declination and Equation of Time" (H. O. No. 118, price 10 cents), as it is good for a whole year, and also has tables for reducing standard time to local mean time. The following examples will cover all cases required on the great lakes:

### EXAMPLE NO. 1.

We will say that we are off Duluth on August 4, 1901, in latitude  $46^{\circ} 45' N.$ , longitude  $92^{\circ} 7' W.$ , variation  $8^{\circ}$  Ely. (The foregoing can all be found from a chart). Ship heading E. x N. We then take the bearing of the sun (by the same compass as we took the ship's heading) to be  $N. 78^{\circ} 30' E.$  and note the exact time by watch, set at say 90th meridian (central standard) time and find it to be 7h. 38m., a. m.

Time of observation	7h 38m 00s	(90th meridian)
Correction for longitude	— 8 28	(from table III, H. O. No. 118)
Local mean time	7 29 32	
Equation of time	— 5 55	(from table I, H. O. No. 118)
Local apparent time	7 23 37	

From table I. (H. O. No. 118) we find that the sun's declination for August 4 is  $N. 17^{\circ} +$ , which is of the same name as our latitude, therefore, we look for latitude  $47^{\circ}$  (as  $46^{\circ} 45'$  is nearer  $47^{\circ}$  than  $46^{\circ}$ ) and find it on page 107 (H. O. No. 106); then under the column marked  $17^{\circ}$  and opposite 7h 30m, we find the sun's true bearing

	= $N. 94^{\circ} 25' E.$ , and opposite 7h 20m, we
find the sun's true bearing	= $N. 92^{\circ} 32' E.$
Difference for 10 minutes	= $1^{\circ} 53' = 60' + 53' = 113'$
Difference for 1 minute	= 11.3'
Difference for $3\frac{1}{2}$ minutes	= $11.3' \times 3.5 = 40'$
Sun's true bearing for 7h 20m	= $N. 92^{\circ} 32' E.$
Correction for $3\frac{1}{2}$ minutes	= + 40
Sun's true bearing for 7h 23m 37s	= $N. 93^{\circ} 12' E.$
Variation	= — 8 Ely. (See note "A")
Sun's magnetic bearing	= $N. 85^{\circ} 12' E.$
Sun's compass bearing	= $N. 78^{\circ} 30' E.$
Deviation for E.xN. course	= $6^{\circ} 42' Ely.$ (See note "B")

Note "A"—Since the magnetic north is 8° east of the true north, the sun's magnetic bearing must be 8° less than its true bearing.

Note "B"—Since there are a less number of degrees and minutes from the sun's bearing to the compass north than from the sun's bearing to the magnetic north, the compass north must be to the east of the magnetic north; hence the easterly deviation. Had the compass bearing of the sun been N. 92° 18' E. then the compass north would have been 7° 06' W. of the magnetic north and we would have had 7° 06' W. deviation.

#### EXAMPLE NO. 2.

Off Cleveland, O., Dec. 31, 1901.  
 Latitude, 41° 30' N., longitude, 81° 40' W., variation, 2° 11' Wly.  
 Ship heading, S. S. W.; sun's bearing, N. 129° 36' W.; time, 3h. 20m. p. m. (90th meridian).

Time of observation. 3h 20 00s p.m.

Cor. for long. .... + 33 20 (from table III, H. O. No. 118)

L. M. T. .... 3 53 20

Eq. of time ..... — 2 57 (from table I, H. O. No. 118)

L. A. T. .... 3h 50m 23s

From table I, (H. O. No. 118) we find that the sun's declination for Dec. 31 is S. 23° +, which is of opposite name to our latitude; therefore, we look on page 179, or 180, of H. O. No. 106, and in the column marked 23° + at the top,

and opposite 3h 50m, we find S. T. B. = N. 128° 35' W.

" " 4h 00m, we find S. T. B. = N. 126° 49' W.

Diff. for 10 minutes = 1° 46' = 60' + 46' = 106'

Diff. for 1 minute = 10.6'

Diff. for 23 sec., or 2-5 minutes = 10.6 x 2-5 = 4'

so that we have, S. T. B. for 3h 50m = N. 128° 35' W.

Cor. for 23s = — 4'

S. T. B. for 3h 50m 23s = N. 128° 31' W.

Variation (see Note A) — 2 11 Wly.

Sun's mag. bearing = N. 126° 20' W.

Sun's comp. bearing = N. 129° 36' W.

Dev. for course S. S. W. 3° 16' Ely.

Note "A"—Since the magnetic north is 2° 11' west of the true north, the sun's magnetic bearing must be 2° 11' less than its true bearing.

Note "B"—Since there are a greater number of degrees and minutes from the sun to the compass north, than from the sun to the magnetic north, we have easterly deviation.

# CONVERSION OF GEOGRAPHICAL OR STATUTE MILES INTO NAUTICAL OR SEA MILES.

Statute Mile, 5,280 ft.; Nautical Mile, 6,080 ft.

(Prepared by Capt. Henry Leisk, Milwaukee.)

Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.
1.00	0.868	8.00	6.947	15.00	13.026	22.00	29.105
1.25	1.085	8.25	7.164	15.25	14.243	22.25	19.322
1.50	1.302	8.50	7.381	15.50	13.460	22.50	19.539
1.75	1.519	8.75	7.598	15.75	13.677	22.75	19.756
2.00	1.736	9.00	7.815	16.00	13.894	23.00	19.973
2.25	1.953	9.25	8.032	16.25	14.111	23.25	20.190
2.50	2.171	9.50	8.250	16.50	14.328	23.50	20.407
2.75	2.388	9.75	8.467	16.75	14.546	23.75	20.625
3.00	2.605	10.00	8.684	17.00	14.763	24.00	20.842
3.25	2.822	10.25	8.901	17.25	14.980	24.25	21.059
3.50	3.039	10.50	9.118	17.50	15.197	24.50	21.276
3.75	3.256	10.75	9.335	17.75	15.414	24.75	21.493
4.00	3.473	11.00	9.552	18.00	15.631	25.00	21.710
4.25	3.690	11.25	9.769	18.25	15.848	25.25	21.927
4.50	3.907	11.50	9.986	18.50	16.065	25.50	22.144
4.75	4.125	11.75	10.203	18.75	16.282	25.75	22.361
5.00	4.342	12.00	10.421	19.00	16.500	26.00	22.578
5.25	4.559	12.25	10.638	19.25	16.717	26.25	22.796
5.50	4.776	12.50	10.855	19.50	16.934	26.50	23.013
5.75	4.993	12.75	11.072	19.75	17.151	26.75	23.230
6.00	5.210	13.00	11.289	20.00	17.368	27.00	23.447
6.25	5.427	13.25	11.506	20.25	17.585	27.25	23.664
6.50	5.644	13.50	11.723	20.50	17.802	27.50	23.881
6.75	5.861	13.75	11.940	20.75	18.019	27.75	24.098
7.00	6.078	14.00	12.157	21.00	18.236	28.00	24.315
7.25	6.296	14.25	12.375	21.25	18.453	28.25	24.532
7.50	6.513	14.50	12.592	21.50	18.671	28.50	24.750
7.75	6.730	14.75	12.809	21.75	18.888	29.00	25.184

# CONVERSION OF NAUTICAL OR SEA MILES INTO GEOGRAPHICAL OR STATUTE MILES.

Nautical Mile, 6,080 ft.; Statute Mile, 5,280 ft.

(Prepared by Capt. Henry Leisk, Milwaukee.)

Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.	Nautical or sea mile.	Geographical or statute mile.
1.00	1.151	7.00	8.060	13.00	14.969	19.00	21.878
1.25	1.439	7.25	8.348	13.25	15.257	19.25	22.166
1.50	1.729	7.50	8.636	13.50	15.545	19.50	22.454
1.75	2.015	7.75	8.924	13.75	15.833	19.75	22.742
2.00	2.303	8.00	9.212	14.00	16.121	20.00	23.030
2.25	2.590	8.25	9.500	14.25	16.409	20.25	23.318
2.50	2.878	8.50	9.787	14.50	16.696	20.50	23.606
2.75	3.166	8.75	10.075	14.75	16.984	20.75	23.893
3.00	3.454	9.00	10.393	15.00	17.272	21.00	24.181
3.25	3.742	9.25	10.675	15.25	17.560	21.25	24.469
3.50	4.230	9.50	10.939	15.50	17.848	21.50	24.757
3.75	4.318	9.75	11.227	15.75	18.136	21.75	25.045
4.00	4.606	10.00	11.515	16.00	18.424	22.00	25.333
4.25	4.893	10.25	11.803	16.25	18.712	22.25	25.621
4.50	5.181	10.50	12.090	16.50	18.999	22.50	25.909
4.75	5.469	10.75	12.378	16.75	19.287	22.75	26.196
5.00	5.757	11.00	12.666	17.00	19.575	23.00	26.484
5.25	6.045	11.25	12.954	17.25	19.863	23.25	26.772
5.50	6.333	11.50	13.242	17.50	20.151	23.50	27.060
5.75	6.621	11.75	13.530	17.75	20.439	23.75	27.348
6.00	6.909	12.00	13.818	18.00	20.727	24.00	27.636
6.25	7.196	12.25	14.106	18.25	21.015	24.25	27.924
6.50	7.484	12.50	14.393	18.50	21.303	24.50	28.212
6.75	7.772	12.75	14.681	18.75	21.590	25.00	28.787

## UNITED STATES HYDROGRAPHIC OFFICE.

The United States hydrographic office, navy department, Washington, D. C., maintains branch offices on the great lakes as follows: Buffalo, Guaranty building; Cleveland, The Arcade; Chicago, Masonic Temple; Sault Ste. Marie, News building; Duluth, Torrey building.

Masters of vessels are invited to call on arrival in port. Nautical charts and sailing directions on hand for inspection by the shipping public. Information affecting nautical charts regularly received. Nautical inquiries are investigated and answered. "Notices to Mariners," "U. S. Light Lists," and other periodical publications are distributed. Barometers are compared. All services are free.

Captains are earnestly requested to co-operate with the branch hydrographic offices in their work of collecting and distributing information useful to lake mariners, by sending to them reports of buoys adrift, lights or gas buoys not lighted, shoals, wrecks, or any other dangers to navigation.

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### WIND SIGNALS ON LAKE SUPERIOR.

Winds expected for the western end of Lake Superior are announced by whistle signals of the United States weather bureau. Signals are blown daily at 10 a. m. by the whistle of elevator "E," Duluth, Minn. The Imperial Mills, Duluth, Minn., also blow these signals at 10 p. m. during the navigation season, whenever the information then at hand is of special importance to vesselmen.

Force of wind.—Light (1 to 5 miles per hour), 1 long whistle; Fresh (6 to 14 miles per hour), 2 long whistles; brisk (15 to 24 miles per hour), 3 long whistles; high (25 miles and upwards per hour), 4 long whistles; north, northeast, east, 1 short whistle; southeast south, 2 short whistles; southwest, west, northwest, 3 short whistles; variable 4 short whistles.

Duration of whistles: Short, 2 seconds; long, 6 seconds.

Examples:—For "brisk northwest winds" there is blown first a prolonged "attention" whistle; then three long and three short whistles. For "light northeast shifting to brisk westerly winds" the "attention" whistle is blown first and then one long, one short, three long, three short.

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### BRIDGE SIGNALS.

#### BUFFALO, N. Y.

#### Whistle Signal

Michigan street bridges in the creek and Blackwell canal.....3 blasts.  
Ohio basin bridge, Ohio street bridge in upper creek and  
bridge at Lehigh Valley, upper Blackwell canal.....3 long, 3 short.  
International bridge, Niagara river .....1 long.  
Bridge for Evans slip .....3 blasts.

#### ASHTABULA, O.

Ashtabula bridge .....1 long.

# CLEVELAND, O.

L. S. & M. S. Ry. bridge.....	1 long 2 short.
Old River Bed bridges .....	{ 1 long 1 short.
Main street bridge .....	{ 1 long 1 short.
Superior street viaduct .....	2 blasts.
Valley Ry. bridge and all others above it in the main river.....	3 blasts.
	4 blasts.

# LORAIN, O.

City bridge .....	1 long 2 short.
N. Y. C. & St. L. Ry. bridge.....	1 long 2 short.

# TOLEDO, O.

All bridges in main river.....	3 blasts.
Dayton slip bridge .....	4 blasts.
Swan Creek—	
Perry street bridge .....	3 blasts.
St. Clair street bridge.....	1 long 2 short.
Erie street bridge .....	3 long.
Clover Leaf Ry. bridge.....	3 long.

# DULUTH, MINN.

Duluth-Superior bridge .....	3 long.
Northern Pacific bridge, both draws.....	3 long.
Howard pocket bridge, near dry dock.....	3 long 2 short.
St. Paul & Duluth bridge.....	3 long 3 short.

# CHICAGO, ILL.

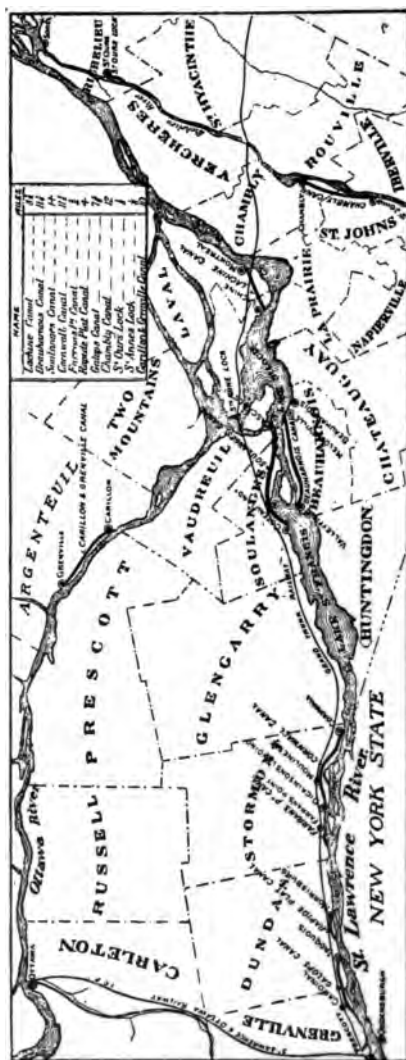
Three whistles is the signal for all bridges in Chicago and South Chicago excepting Kinzie street bridge, which is the first bridge after turning the fork to go up the North Branch. For this bridge four whistles are blown. The same signal (four whistles) is also blown for the Ashland avenue bridge in the South Branch when going to the right of the forks to Bridgeport; when turning towards the South Fork, or the left, five whistles are blown for Fuller street bridge.

# MILWAUKEE, WIS.

In Milwaukee 3 short whistles is the general bridge signal. There is excepted from this the bridge across the Menominee river at the foot of West Water street, and also the railroad bridge about a half block east of the West Water street bridge, as well as the bridge of the Chicago & Northwestern company across the Kinnickinnic, between Kinnickinnic avenue and Clinton street. For these exceptions the signal is four short blasts. Another exception is the Point street bridge, entrance to Green Bay canal, for which the signal is two short blasts.



# CANADA'S ST. LAWRENCE ROUTE CANALS.



MAP SHOWING THE CANALS ON THE MONTREAL OTTAWA AND RICHELIEU RIVERS INCLUDING THE NEW SOULANGES CANAL AND TABLE OF DISTANCES.

Between Lake Erie and the sea there are seven Dominion canals, exclusive of the Beauharnois. They are the Welland, Galops, Rapide Plat, Farran's Point, Cornwall, Soulanges and Lockport. Their aggregate length is 70½ miles; the number of locks is fifty-three and the total lockage (or height directly overcome by locks) is 533 feet and 3 inches. The Welland Canal, which has for several years past been of 14 feet navigation, and which extends from Port Colborne on Lake Erie to Port Dalhousie on Lake Ontario, is not shown in the illustration. The general scheme of canal enlargement now completed affected all the canals. None of the locks had the required depth and none had the desired dimensions of 270 feet in length and 45 feet in width. With the completion of the Soulanges canal the desired end was accomplished.

# TABLE FOR CONVERTING COMPASS COURSES INTO DEGREES, MINUTES AND SECONDS.

(A Favor from Frank Henrich, Nautical Expert, Duluth.)

Points.	Number.	Degrees.		Number.	Points.
North.	0	'	"	0	South.
	1/8	0	0	1/8	
	1/4	1	24	1/4	
	3/8	2	48	3/8	
	1/2	4	13	1/2	
	5/8	5	37	5/8	
	3/4	7	01	3/4	
	7/8	8	26	7/8	
	1	9	50	1	
	1/8	11	15	1/8	
	3/8	12	39	3/8	
	1/2	14	03	1/2	
	5/8	15	28	5/8	
	3/4	16	52	3/4	
	7/8	18	16	7/8	
	1	19	41	1	
	1/8	21	05	1/8	
	3/8	22	30	3/8	
	1/2	23	54	1/2	
	5/8	25	18	5/8	
	3/4	26	43	3/4	
	7/8	28	07	7/8	
	1	29	31	1	
	1/8	30	56	1/8	
	3/8	32	20	3/8	
	1/2	33	45	1/2	
	5/8	35	09	5/8	
	3/4	36	33	3/4	
	7/8	37	58	7/8	
	1	39	22	1	
N. by E....N. by W..	1/8	0	0	1/8	S. by W.....S. by E.
	3/8	1	24	3/8	
	1/2	2	48	1/2	
	5/8	4	13	5/8	
	3/4	5	37	3/4	
	7/8	7	01	7/8	
	1	8	26	1	
	1/8	9	50	1/8	
	3/8	11	15	3/8	
	1/2	12	39	1/2	
	5/8	14	03	5/8	
	3/4	15	28	3/4	
	7/8	16	52	7/8	
	1	18	16	1	
	1/8	19	41	1/8	
	3/8	21	05	3/8	
	1/2	22	30	1/2	
	5/8	23	54	5/8	
	3/4	25	18	3/4	
	7/8	26	43	7/8	
	1	28	07	1	
	1/8	29	31	1/8	
	3/8	30	56	3/8	
	1/2	32	20	1/2	
	5/8	33	45	5/8	
	3/4	35	09	3/4	
	7/8	36	33	7/8	
	1	37	58	1	
	1/8	39	22	1/8	
	3/8			3/8	
	1/2			1/2	
N NE.....N NW	1/8	0	0	1/8	S SW.....S SE.
	3/8	1	24	3/8	
	1/2	2	48	1/2	
	5/8	4	13	5/8	
	3/4	5	37	3/4	
	7/8	7	01	7/8	
	1	8	26	1	
	1/8	9	50	1/8	
	3/8	11	15	3/8	
	1/2	12	39	1/2	
	5/8	14	03	5/8	
	3/4	15	28	3/4	
	7/8	16	52	7/8	
	1	18	16	1	
	1/8	19	41	1/8	
	3/8	21	05	3/8	
	1/2	22	30	1/2	
	5/8	23	54	5/8	
	3/4	25	18	3/4	
	7/8	26	43	7/8	
	1	28	07	1	
	1/8	29	31	1/8	
	3/8	30	56	3/8	
	1/2	32	20	1/2	
	5/8	33	45	5/8	
	3/4	35	09	3/4	
	7/8	36	33	7/8	
	1	37	58	1	
	1/8	39	22	1/8	
	3/8			3/8	
	1/2			1/2	
NE, by N..NW, by N..	1/8	0	0	1/8	SW, by S....SE, by S.
	3/8	1	24	3/8	
	1/2	2	48	1/2	
	5/8	4	13	5/8	
	3/4	5	37	3/4	
	7/8	7	01	7/8	
	1	8	26	1	
	1/8	9	50	1/8	
	3/8	11	15	3/8	
	1/2	12	39	1/2	
	5/8	14	03	5/8	
	3/4	15	28	3/4	
	7/8	16	52	7/8	
	1	18	16	1	
	1/8	19	41	1/8	
	3/8	21	05	3/8	
	1/2	22	30	1/2	
	5/8	23	54	5/8	
	3/4	25	18	3/4	
	7/8	26	43	7/8	
	1	28	07	1	
	1/8	29	31	1/8	
	3/8	30	56	3/8	
	1/2	32	20	1/2	
	5/8	33	45	5/8	
	3/4	35	09	3/4	
	7/8	36	33	7/8	
	1	37	58	1	
	1/8	39	22	1/8	
	3/8			3/8	
	1/2			1/2	

NE..... NW..	5/8 3/4	40 42 43 45 46 47 49 50 52 53 54 56 57 59 60 61 63 66 67 68 70 71 73 74 75 77 78 80 81 82 84 85 87 88 90	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90	52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90	SW .....	SE.
	4 1/8	4 1/8	4 1/8	4 1/8	SW .....	SE.
	3/4 1/2 3/4	3/4 1/2 3/4	3/4 1/2 3/4	3/4 1/2 3/4	SW. by W..SE. by E.	
NE. by E.. NW. by W..	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	SW. by W..SE. by E.	
	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	5 1/8 3/4 1/2 3/4	SW. by W..SE. by E.	
E Ne..... W NW..	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	W SW.....E SE.	
	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	6 1/8 3/4 1/2 3/4	W SW.....E SE.	
E. by N... W. by N..	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	W. by S.....E. by S.	
	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	7 1/8 3/4 1/2 3/4	W. by S.....E. by S.	
East..... West..	8 1/8 3/4 1/2 3/4	8 1/8 3/4 1/2 3/4	8 1/8 3/4 1/2 3/4	8 1/8 3/4 1/2 3/4	West .....	East.

TABLE OF WAGES.

DAYS	\$15 00	\$20 00	\$25 00	\$30 00	\$35 00	\$40 00	\$45 00	\$50 00	\$55 00	\$60 00	\$65 00	\$70 00
1	50	67	83	1 00	1 17	1 33	1 50	1 67	1 83	2 00	2 17	2 33
2	1 00	1 33	1 67	2 00	2 33	2 67	3 00	3 33	3 67	4 00	4 33	4 67
3	1 50	2 00	2 50	3 00	3 50	4 00	4 50	5 00	5 50	6 00	6 50	7 00
4	2 00	2 67	3 33	4 00	4 67	5 33	6 00	6 67	7 33	8 00	8 67	9 33
5	2 50	3 33	4 17	5 00	5 83	6 67	7 50	8 33	9 17	10 00	10 83	11 67
6	3 00	4 00	5 00	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00
7	3 50	4 67	5 83	7 00	8 17	9 33	10 50	11 67	12 83	14 00	15 17	16 33
8	4 00	5 33	6 67	8 00	9 33	10 67	12 00	13 33	14 67	16 00	17 33	18 67
9	4 50	6 00	7 50	9 00	10 50	12 00	13 50	15 00	16 50	18 00	19 50	21 00
10	5 00	6 67	8 33	10 00	11 67	13 33	15 00	16 67	18 33	20 00	21 67	23 33
11	5 50	7 33	9 16	11 00	12 83	14 67	16 50	18 33	20 17	22 00	23 83	25 67
12	6 00	8 00	10 00	12 00	14 00	16 00	18 00	20 00	22 00	24 00	26 00	28 00
13	6 50	8 67	10 83	13 00	15 17	17 33	19 50	21 67	23 83	26 00	28 17	30 33
14	7 00	9 33	11 67	14 00	16 33	18 67	21 00	23 33	25 67	28 00	30 33	32 67
15	7 50	10 17	12 50	15 00	17 50	20 00	22 50	25 00	27 50	30 00	32 50	35 00
16	8 00	10 67	13 34	16 00	18 67	21 33	24 00	26 67	29 33	32 00	34 67	37 33
17	8 50	11 33	14 17	17 00	19 83	22 67	25 50	28 33	31 17	34 00	36 83	39 67
18	9 00	12 00	15 00	18 00	21 00	24 00	27 00	30 00	33 00	36 00	39 00	42 00
19	9 50	12 67	15 83	19 00	22 17	25 33	28 50	31 67	34 83	38 00	41 17	44 33
20	10 00	13 33	16 67	20 00	23 33	26 67	30 00	33 33	36 67	40 00	43 33	46 67
21	10 50	14 00	17 50	21 00	24 50	28 00	31 50	35 00	38 50	42 00	45 50	49 00
22	11 00	14 67	18 34	22 00	25 67	29 33	33 00	36 67	40 33	44 00	47 67	51 33
23	11 50	15 33	19 17	23 00	26 83	30 67	34 50	38 33	42 17	46 00	49 83	53 67
24	12 00	16 00	20 00	24 00	28 00	32 00	36 00	40 00	44 00	48 00	52 00	56 00
25	12 50	16 67	20 83	25 00	29 17	33 33	37 50	41 67	45 83	50 00	54 17	58 33
26	13 00	17 33	21 67	26 00	30 33	34 67	39 00	43 33	47 67	52 00	56 33	60 67
27	13 50	18 00	22 50	27 00	31 50	36 00	40 50	45 00	49 50	54 00	58 50	63 00
28	14 00	18 67	23 34	28 00	32 67	37 33	42 00	46 67	51 33	56 00	60 67	65 33
29	14 50	19 33	24 17	29 00	33 83	38 67	43 50	48 33	53 17	58 00	62 83	67 67
30	15 00	20 00	25 00	30 00	35 00	40 00	45 00	50 00	55 00	60 00	65 00	70 00

DAYS	\$75 00	\$80 00	\$85 00	\$90 00	\$95 00	\$100 00	\$105 00	\$110 00	\$115 00	\$120 00	\$125 00
1	2 50	2 67	2 83	3 00	3 17	3 33	3 50	3 67	3 83	4 00	4 17
2	5 00	5 33	5 67	6 00	6 33	6 67	7 00	7 33	7 67	8 00	8 33
3	7 50	8 00	8 50	9 00	9 50	10 00	10 50	11 00	11 50	12 00	12 50
4	10 00	10 67	11 33	12 00	12 67	13 33	14 00	14 67	15 33	16 00	16 67
5	12 50	13 33	14 17	15 00	15 83	16 67	17 50	18 33	19 17	20 00	20 83
6	15 00	16 00	17 00	18 00	19 00	20 00	21 00	22 00	23 00	24 00	25 00
7	17 50	18 67	19 83	21 00	22 17	23 33	24 50	25 67	26 83	28 00	29 17
8	20 00	21 33	22 67	24 00	25 33	26 67	28 00	29 33	30 67	32 00	33 33
9	22 50	24 00	25 50	27 00	28 50	30 00	31 50	33 00	34 50	36 00	37 50
10	25 00	26 67	28 33	30 00	31 67	33 33	35 00	36 67	38 33	40 00	41 67
11	27 50	29 33	31 17	33 00	34 83	36 67	38 50	40 33	42 17	44 00	45 83
12	30 00	32 00	34 00	36 00	38 00	40 00	42 00	44 00	46 00	48 00	50 00
13	32 50	34 67	36 83	39 00	41 17	43 33	45 50	47 67	49 83	52 00	54 17
14	35 00	37 33	39 67	42 00	44 33	46 67	49 00	51 33	53 67	56 00	58 33
15	37 50	40 00	42 50	45 00	47 50	50 00	52 50	55 00	57 50	60 00	62 50
16	40 00	42 67	45 33	48 00	51 67	54 33	57 00	59 67	62 33	65 00	67 67
17	42 50	45 33	48 17	51 00	54 83	58 67	62 50	66 33	70 17	74 00	77 83
18	45 00	48 00	51 00	54 00	58 00	62 00	66 00	70 00	74 00	78 00	82 00
19	47 50	50 67	53 83	57 00	61 17	65 33	69 50	73 67	77 83	82 00	86 17
20	50 00	53 33	56 67	60 00	64 33	68 67	73 00	77 33	81 67	86 00	90 33
21	52 50	56 00	59 50	63 00	67 50	72 00	76 50	81 00	85 50	90 00	94 50
22	55 00	58 67	62 33	66 00	70 67	75 33	80 00	84 67	89 33	94 00	98 67
23	57 50	61 33	65 17	69 00	73 83	78 67	83 50	88 33	93 17	98 00	102 83
24	60 00	64 00	68 00	72 00	76 00	80 00	84 00	88 00	92 00	96 00	100 00
25	62 50	66 67	70 83	75 00	79 17	83 33	87 50	91 67	95 83	100 00	104 17
26	65 00	69 33	73 67	78 00	82 33	86 67	91 00	95 33	99 67	104 00	108 33
27	67 50	72 00	76 50	81 00	85 50	90 00	94 50	99 00	103 50	108 00	112 50
28	70 00	74 67	79 33	84 00	88 67	93 33	98 00	102 67	107 33	112 00	116 67
29	72 50	77 33	82 17	87 00	91 83	96 67	101 50	106 33	111 17	116 00	120 83
30	75 00	80 00	85 00	90 00	95 00	100 00	105 00	110 00	115 00	120 00	125 00

# STRENGTH OF CHAIN CABLE AS TESTED IN 15-FATHOM LENGTHS.

(From Capt. T. A. Ellery, Marysville, Mich.)

Size	Required Testing Strain in Tons.	Weight of 100 Fathoms in Pounds.	Breaking Strain in Tons.		Mean Strain, Tons.
			Maximum.	Minimum.	
2¼	91½	27,216	130.3	121.8	125.9
2½	81¼	24,276	116.2	108.6	112.3
2	72	21,504	103.0	96.3	99.5
1¾	63¼	18,900	99.0	88.0	92.8
1¾	55½	16,464	85.3	65.0	74.1
1½	47½	14,196	75.0	59.5	66.5
1½	40½	12,096	65.5	54.5	59.5
1¾	34	10,164	53.6	44.4	48.5
1¼	28½	8,400	42.8	35.3	38.5
1½	22¾	6,804	33.0	27.0	29.5
1	18	5,376	27.3	22.0	24.3
¾	13¾	4,116	22.5	20.3	21.1
¾	10½	3,024	15.0	12.5	13.5
11-16	8½	2,541	12.3	10.8	11.4
¾	7	2,100	9.9	9.4	9.5
9-16	5½	1,701	.....	.....	.....
½	4½	1,344	6.3	5.9	6.0

# **DRY DOCKS OF THE GREAT LAKES—DIMENSIONS, DRAUGHT OF WATER, ETC.**

(From the 1906 Edition of the Blue Book of American Shipping. Copyrighted.)

PLACE.	NAME OF DOCK	LENGTH.		WIDTH.		Depth over Sill
		On blocks.	Over all.	Gate.	Top.	
Bay City, Mich. . .	James Davidson . . . . .	290	315	42½	70	13
Buffalo, N. Y. . .	Buffalo Dry Dock Co., Dock No. 1 . . . . .	454	478	58½	81	16
Buffalo, N. Y. . .	Buffalo Dry Dock Co., Dock No. 2 . . . . .	340	347	43½	65	13½
Buffalo, N. Y. . .	Buffalo Dry Dock Co., Dock No. 3 . . . . .	285	291	38	55½	11
Buffalo, N. Y. . .	Buffalo Dry Dock Co., Dock No. 4 . . . . .	372	379	45	63½	12½
Buffalo, N. Y. . .	Empire Shipbuilding Co., floating dock . . . . .	...	126	34	...	13
Buffalo, N. Y. . .	Empire Shipbuilding Co., floating dock . . . . .	...	101	...	...	9
Chicago, Ill. . . . .	Shipowners' Dry Dock Co., No. 1 . . . . .	480	500	60	84	16
Chicago, Ill. . . . .	Shipowners' Dry Dock Co., No. 2 . . . . .	300	320	50	80	14
Chicago, Ill. . . . .	Shipowners' Dry Dock Co., No. 3 . . . . .	160	180	40	70	10
Chicago, Ill. . . . .	Chicago Shipbuilding Co. (Calumet) . . . . .	556	564	70	100	16
Cleveland, O. . . . .	American Shipbuilding Co., Dock No. 1 . . . . .	528	547	65	88	15½
Cleveland, O. . . . .	American Shipbuilding Co., Dock No. 2 . . . . .	430	450	48	55	16
Cleveland, O. . . . .	American Shipbuilding Co., Dock No. 3 . . . . .	340	360	50	55	17
Collingwood, Ont. . .	Collingwood Shipbuilding Co., Ltd. . . . .	513	517	54	60	16½
Detroit, Mich. . . .	Detroit Shipbuilding Co., Dock No. 1 . . . . .	232	232	48	48	8
Detroit, Mich. . . .	Detroit Shipbuilding Co., Dock No. 2 . . . . .	368	387	77	91	16
Detroit, Mich. . . .	Great Lakes Engineering Works . . . . .	600	600	...	95	18
Detroit, Mich. . . .	Walter H. Oades Marine Ry. . . . .	186	...	...	...	5 feet for'd
Detroit, Mich. . . .	Walter H. Oades Marine Ry. . . . .	186	...	...	...	11 feet
Duluth, Minn. . . .	N. Grignon (Floating Dock) . . . . .	60	...	60	80	13
Kingston, Ont. . . .	Davis Dry Dock Co. . . . .	180	180	31	40	...
Kingston, Ont. . . .	Kingston Dry Dock Co. . . . .	180	180	31	31	...
Lorain, O. . . . .	American Shipbuilding Co. . . . .	550	600	60	101	18

Manitowoc, Wis.	Manitowoc Dry Dock Co., graving dock.	340	340	45	55	13
Manitowoc, Wis.	Manitowoc Dry Dock Co., floating dock.	120	120	35	40	10 over blocks.
Milwaukee, Wis.	Milwaukee Dry Dock Co., South Dock.	444	455	60½	85	13½
Milwaukee, Wis.	Milwaukee Dry Dock Co., West dock.	312	320	45	75	12
Milwaukee, Wis.	Milwaukee Dry Dock Co., also have three sets of floating docks, length 200 ft., 130 ft. and 90 ft., respectively					
Montreal, Que.	A. Cantlin, Canada Marine Works.	216	216	46	90	11
Montreal, Que.	A. Cantlin, Canada Marine Works.	200	200	46	90	11
Ogdensburg, N. Y.	St. Lawrence Marine Ry. Co.	280	300	24	44	16
Oswego, N. Y.	Geo. Gable, Ontario Dry Dock.	150	165	36	50	11
Owen Sound, Ont.	Owen Sound Dry Dock & Ship Building Co., Ltd.	275	300	48½	63½	9
Port Dalhousie, Ont.	Muir Brothers (3 sections)	255	300	46	120	11
Port Huron, Mich.	Wolverine Dry Dock, F. I. Smith.	198	208	36	40	15
Port Huron, Mich.	Port Huron Ship Building Co.	385	412	95	62	20
Quebec, Que.	G. T. Davie & Sons No. 1.	234	236	41	...	12
Quebec, Que.	G. T. Davie & Sons No. 2.	178	180	38	...	12
Quebec, Que.	Ross & Co.	322	322	...	...	...
Quebec, Que.	A. Russell	223	...	41½	...	...
Sandusky, O.	Pouliot Boat & Power Co.	130	130	29	29	9
Sault Ste. Marie, Mich.	Hickler Bros. marine railway, 1,000 tons capacity	180	190	...	40	8½ to 16 ft
Sturgeon Bay, Wis.	Richolds, Walter & Co., four sets of floating dry docks, 100, 150, 170 and 215 ft. length on blocks, respectively	...	514	51½	52	13
Superior, Wis.	Superior Shipbuilding Co., Dock No. 1.	475	620	66½	92	15
Superior, Wis.	Superior Shipbuilding Co., Dock No. 2.	547	620	66½	105	18
Toledo, O.	A. Gilmore's Sons.	230	235	37	55	9½
Toledo, O.	Toledo Marine Ry. (James Scanté, Mngt.)	100	100	30	30	10½
Toledo, O.	Craig Shipbuilding Co.	500	525	57	58	16
Toronto, Ont.	Medler & Arnot.	86	90	30	30	10
West Bay City, Mich.	James Davidson	415	435	60	100	14½

# STRENGTH OF PLAIN LAID ROPE OF THREE STRANDS.

(From Capt. T. A. Ellery, Marysville, Mich.)

Size.	Number of yarns in rope.	Weight of 100 fathoms in lbs.	Breaking strain in tons.		Mean, tons.
			Maximum.	Minimum.	
12	1173	2,940	45.5	35.	40.2
11½	1077	....	41.7	32.	36.8
11	987	....	38.2	29.3	33.7
10½	900	....	34.9	26.7	30.8
10	816	2,136	31.7	24.2	27.9
9½	738	....	28.6	21.8	25.2
9	660	1,712	25.7	19.6	22.6
8½	591	....	23.	17.5	20.2
8	522	1,379	20.4	15.5	18.
7½	459	....	18.	13.6	15.8
7	399	....	15.8	11.8	13.8
6½	345	....	13.7	10.2	12.
6	294	834	11.75	8.7	10.3
5½	249	712	9.8	7.3	8.7
5	204	....	8.2	6.1	7.2
4½	168	413	6.7	5.	5.9
4	132	....	5.3	4.	4.7
3½	102	....	4.1	3.2	3.7
3	75	203	3.1	2.4	2.8
2½	54	....	2.2	1.8	2.1
2	33	....	1.5	1.3	1.4
1¾	27	....	1.28	1.13	1.23
1½	21	....	.90	.86	.88
1¼	15	....	.60	.53	.56
1	12	....	.58	.46	.51
¾	9	....	.51	.42	.46
½	6	....	.28	.28	.28



# **Comparative Freight Rates—Grain per bushel, Iron Ore per gross ton.**

RATE IN CENTS PER BUSHEL.	Corn, flax and rye, 56 pounds per bushel.	Wheat, 60 pounds per bushel.	Barley, 48 pounds per bushel.	Oats, 32 pounds per bushel.
	EQUIVALENT IN IRON ORE PER GROSS TON.			
1	\$0 40	\$0 37 1/3	\$0 46 2/3	\$0 70
1 1/4	50	46 2/3	58 1/3	87 1/2
1 1/2	60	58	70	1 05
1 3/4	70	65 1/3	81 2/3	1 22 1/2
2	80	74 2/3	93 1/3	1 40
2 1/4	90	84	1 05	1 57 1/2
2 1/2	1 00	93 1/3	1 16 2/3	1 75
2 3/4	1 10	1 02 2/3	1 28 1/3	1 92 1/2
3	1 20	1 12	1 40	2 10
3 1/4	1 30	1 21 1/3	1 51 2/3	2 27 1/2
3 1/2	1 40	1 30 2/3	1 63 1/3	2 45
3 3/4	1 50	1 40	1 75	2 62 1/2
4	1 60	1 49 1/3	1 86 2/3	2 80
4 1/4	1 70	1 58 2/3	1 98 1/3	2 97 1/2
4 1/2	1 80	1 68	2 10	3 15
4 3/4	1 90	1 77 1/3	2 21 2/3	3 32 1/2
5	2 00	1 86 2/3	2 33 1/3	3 50
5 1/4	2 10	1 96	2 45	3 67 1/2
5 1/2	2 20	2 05 1/3	2 56 2/3	3 85
5 3/4	2 30	2 14 2/3	2 68 1/3	4 02 1/2
6	2 40	2 24	2 80	4 20
Number of bushels per gross ton.	40	37 1/3	46 2/3	70
Number of gross tons in 1,000 bus.	25	26 1/4	21 1/2	14 1/2

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## KNOTS OF ALL KINDS.

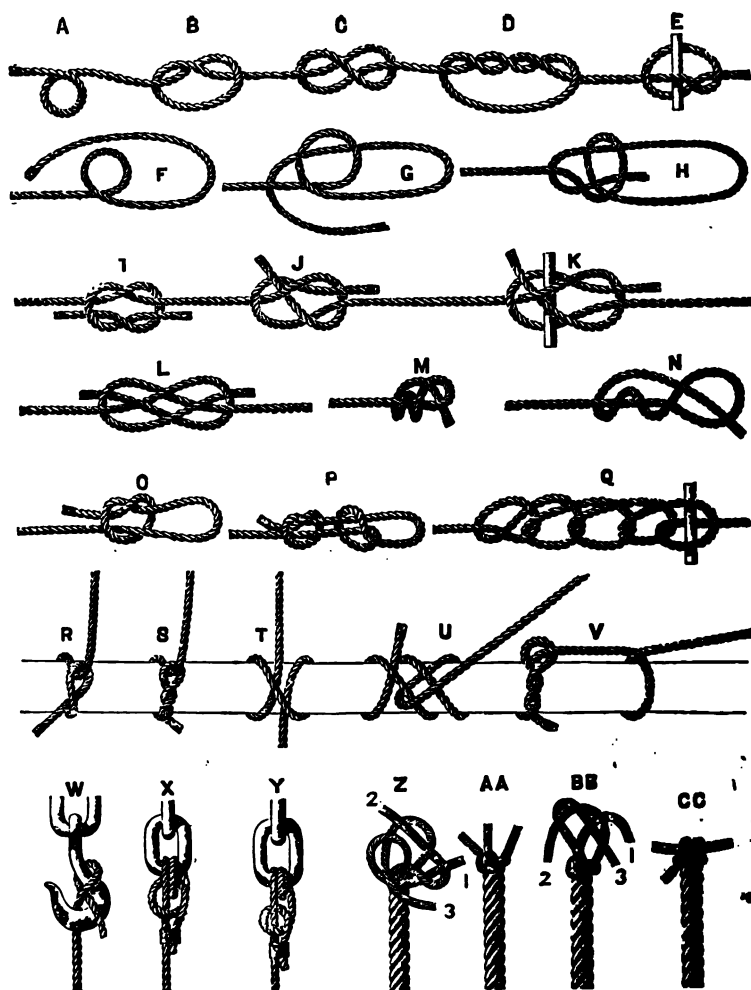
- |                                 |                                 |
|---------------------------------|---------------------------------|
| A. Bight of a rope.             | P. Flemish loop.                |
| B. Simple or overhead knot.     | Q. Chain knot with toggle.      |
| C. Figure 8 knot.               | R. Half-hitch.                  |
| D. Double knot.                 | S. Timber-hitch.                |
| E. Boat knot.                   | T. Clove-hitch.                 |
| F. Bowline, first step.         | U. Rolling-hitch.               |
| G. Bowline, second step.        | V. Timber-hitch and half-hitch. |
| H. Bowline completed.           | W. Blackwall-hitch.             |
| I. Square or reef knot.         | X. Fisherman's bend.            |
| J. Sheet bend or weaver's knot. | Y. Round turn and half-hitch.   |
| K. Sheet bend with a toggle.    | Z. Wall knot commenced.         |
| L. Carrick bend.                | AA. Wall knot completed.        |
| M. Stevedore knot completed.    | BB. Wall knot crown commenced.  |
| N. Stevedore knot commenced.    | CC. Wall knot crown completed.  |
| O. Slip knot.                   |                                 |

The principle of a knot is that no two parts, which would move in the same direction if the rope were to slip, should lay along side of and touching each other.

The bowline is one of the most useful knots; it will not slip, and after being strained is easily untied. It should be tied with facility by everyone who handles rope. Commence by making a bight in the rope, then put the end through the bight and under the standing part as shown in G. then pass the end again through the bight, and haul tight.

The square or reef knot must not be mistaken for the "granny" knot that slips under a strain. Knots H, K and M are easily untied after being under strain. The knot M is useful when the rope passes through an eye and is held by the knot, as it will not slip and is easily untied after being strained.

The timber-hitch S, looks as though it would give way, but it will not; the greater the strain the tighter it will hold. The wall knot looks complicated, but it is easily made by proceeding as follows: Form a bight with strand 1 and pass the strand 2 around the end of it, and the strand 3 round the end of 2 and then through the bight of 1 as shown in the engraving Z. Haul the ends taut when the appearance is as shown in the engraving AA. The end of the strand 1 is now laid over the center of the knot, strand 2 laid over 1, and 3 over 2, when the end of 3 is passed through the bight of 1 as shown in the engraving BB. Haul all the strands taut as shown in the engraving CC.



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# VESSEL TIME CARD AND DISTANCE TABLE OF LAKE PORTS.

## BETWEEN LAKE ERIE PORTS AND DETROIT.

DETROIT TO	MILES.	SPEED PER HOUR. (TIME IS IN HOURS AND MINUTES.)									
		7 mi.	8 mi.	9 mi.	10 mi.	11 mi.	12 mi.	13 mi.	14 mi.	15 mi.	16 mi.
Buffalo-----	256	36:34	32	28:27	25:36	23:16	21:20	19:41	18:17	17:4	16
Erie-----	187	26:42	23:22	20:46	18:42	17	15:35	14:23	13:21	12:28	11:41
Conneaut-----	160	22:51	20	17:46	16	14:32	13:20	12:18	11:25	10:40	10
Ashtabula-----	146	20:50	18:15	16:14	14:36	13:16	12:10	11:13	10:25	9:44	9:7
Fairport-----	121	17:17	15:7	13:26	12:6	11	10:5	9:18	8:38	8:4	7:33
Cleveland-----	105	15	13:7	11:40	10:30	9:32	8:45	8:4	7:30	7	6:33
Lorain-----	88	12:34	11	9:46	8:48	8	7:20	6:46	6:17	5:52	5:30
Huron-----	78	11:8	9:45	8:40	7:48	7:5	6:30	6	5:34	5:12	4:52
Sandusky-----	69	9:51	8:37	7:40	6:54	6:16	5:45	5:18	4:55	4:36	4:18
Toledo-----	56	8	7	6:13	5:36	5:5	4:40	4:18	4	3:44	3:30

## BETWEEN DETROIT AND SAULT STE. MARIE AND MACKINAW.

DETROIT TO	MILES.	SPEED PER HOUR. (TIME IS IN HOURS AND MINUTES.)									
		7 mi.	8 mi.	9 mi.	10 mi.	11 mi.	12 mi.	13 mi.	14 mi.	15 mi.	16 mi.
Sault Ste. Marie-----	346	49:25	43:15	38:26	34:36	31:27	28:50	26:37	24:43	23:4	21:37
Mackinaw-----	311	44:25	38:53	34:33	31:6	28:16	25:55	23:55	22:13	20:44	19:26

# BETWEEN MACKINAW AND LAKE MICHIGAN PORTS.

SPEED PER HOUR. (TIME IS IN HOURS AND MINUTES.)

MACKINAW TO	MILES.	7 mi.	8 mi.	9 mi.	10 mi.	11 mi.	12 mi.	13 mi.	14 mi.	15 mi.	16 mi.
Escanaba-----	128	18:17	16	14:13	12:48	11:38	10:40	9:50	9:8	8:32	8
Green Bay-----	198	28:17	24:45	22	19:48	18	16:30	15:13	14:8	13:12	12:22
Manitowoc-----	194	27:42	24:15	21:33	19:24	17:38	16:10	14:55	13:51	12:56	12:7
Sheboygan-----	214	30:34	26:45	23:46	21:24	19:27	17:50	16:27	15:17	14:16	13:22
Milwaukee-----	258	36:51	32:15	28:40	25:48	23:27	21:30	19:50	18:25	17:12	16:7
Racine-----	270	38:34	33:45	30	27	24:32	22:30	20:46	19:17	18	16:52
Chicago-----	323	46:8	40:22	35:53	32:18	29:21	26:55	24:50	23:4	21:32	20:11
South Chicago-----	338	48:17	42:15	37:33	33:48	30:43	28:10	26	24:8	22:32	21:7

# BETWEEN SAULT STE. MARIE AND LAKE SUPERIOR PORTS.

SPEED PER HOUR. (TIME IS IN HOURS AND MINUTES.)

SAULT STE. MARIE TO	MILES	7 mi.	8 mi.	9 mi.	10 mi.	11 mi.	12 mi.	13 mi.	14 mi.	15 mi.	16 mi.
Marquette-----	158	22:34	19:45	17:33	15:48	14:21	13:10	12:9	11:17	10:32	9:52
Ashland--Bayfield--Washburn-----	347	49:34	43:22	38:33	34:42	31:32	28:55	26:41	24:47	23:8	21:41
Ft. William--Port Arthur-----	272	38:51	34	30:14	27:12	24:43	22:40	20:55	19:25	18:8	17
Two Harbors-----	371	53	46:22	41:13	37:6	33:43	30:55	28:32	26:30	24:44	23:11
Duluth-----	394	56:17	49:15	43:46	39:24	35:49	32:50	30:18	28:8	26:16	24:37

BOAT.

SPEED.  
Loaded. Light.

BOAT.

SPEED.  
Loaded. Light.

## COMPASS COURSES AND DISTANCES.

The following tables of corrected compass courses and distances were prepared by Frank Morrison, compass adjuster, of Cleveland.

### CORRECTED COMPASS COURSES.

LAKE ERIE	COURSE.	MILES.
Buffalo to Long Point.....	W by S $\frac{3}{4}$ S	63 $\frac{3}{4}$
Long Point to Dummy.....	W by S $\frac{5}{8}$ S	134
Buffalo to Erie.....	S W $\frac{3}{4}$ W	76 $\frac{1}{2}$
Buffalo to Ashtabula.....	S W by W $\frac{1}{4}$ W	117
Buffalo to Fairport.....	S W by W $\frac{1}{2}$	143
Fairport to Cleveland.....	S W $\frac{1}{2}$ W	29
Buffalo to Sandusky.....	S W by W $\frac{7}{8}$ W	216
Erie to Dummy.....	W $\frac{3}{4}$ S	126
Ashtabula to Dummy.....	W $\frac{1}{4}$ S	88
Fairport to Dummy.....	W $\frac{3}{8}$ N	62 $\frac{1}{2}$
Lorain to Dummy.....	N W by N	30
Sandusky to Dummy.....	N E by E $\frac{1}{2}$ E	
LAKE HURON.	COURSE.	MILES.
Fort Gratiot to Sand Beach.....	N $\frac{5}{8}$ W	58 $\frac{1}{2}$
Sand Beach to Thunder Bay.....	N by W $\frac{1}{2}$ W	87 $\frac{1}{2}$
Thunder Bay to Presquile.....	N W by N $\frac{3}{4}$ N	26 $\frac{1}{2}$
Presquile to Forty-Mile Point.....	N W by W $\frac{5}{8}$ W	47
Thence Sheboygan Light.....	West	8
Presquile to Detour.....	N W by N $\frac{1}{8}$ N	45
Detour to Cheboygan.....	S W $\frac{5}{8}$ W	30
Detour to Bois Blanc.....	W by S $\frac{1}{2}$ S	26 $\frac{1}{4}$
Thence to Straits of Mackinac.....	West	9 $\frac{3}{4}$
LAKE MICHIGAN.	COURSE.	MILES.
Waugoshance to North Manitou.....	S W $\frac{5}{8}$ S	65 $\frac{1}{2}$
North Manitou to Point Betsey.....		30
Pt. Betsey to Chicago.....	S by W $\frac{1}{4}$ W	207
Waugoshance to Milwaukee north of Manitou.....	S W $\frac{3}{8}$ W	62
Thence.....	S W by S $\frac{5}{8}$ S	177
Waugoshance to Poverty No. of Beavers	W $\frac{1}{2}$ N	14
Thence.....	S W by W $\frac{1}{2}$ W	58
Waugoshance to Beavers.....	S W $\frac{1}{2}$ W	27
Beavers to Poverty.....	W $\frac{1}{2}$ S	55
Chicago to the Door.....	N $\frac{3}{8}$ E	238
Milwaukee to the Door.....	N by E $\frac{1}{8}$ E	159 $\frac{1}{2}$

STRAITS OF MACKINAC.	COURSE.	MILES.
Cheboygan to Mackinac.....	N W by W $\frac{1}{4}$ W	19
Mackinaw Point to Waughoshance.....	West	18 $\frac{1}{2}$
LAKE SUPERIOR.	COURSE.	MILES.
Iroquois to Whitefish point.....	N W $\frac{3}{4}$ N	25 $\frac{1}{4}$
Whitefish point to Sable point.....	W $\frac{1}{2}$ S	56 $\frac{3}{4}$
Thence to Marquette.....	W by S $\frac{1}{4}$ S	60
Whitefish to Huron island.....	W $\frac{1}{4}$ N	145
Thence to Portage entrance.....	W $\frac{1}{2}$ S	20
Whitefish point to Copper Harbor...	W by N $\frac{5}{8}$ N	145 $\frac{1}{2}$
Copper Harbor to Eagle Harbor.....	West	7
Thence.....	W by S	8
Eagle Harbor to Devil Isle.....	W by S $\frac{1}{2}$ S	124
Devil Isle to Duluth.....	S W by W $\frac{1}{2}$ W	68
Eagle Harbor to Two Harbors.....	W by S $\frac{1}{2}$ S	168
Eagle Harbor to La Point.....	S W by W $\frac{1}{2}$ W	5

#### DISTANCES.

	Erie.	Ashtabula.	Fairport.	Cleveland.	Escanaba.	Milwaukee.	Chicago.	Marquette.	Ashland.	Two Harbors.	Duluth.
Buffalo .....	80	117	143	173	696	825	892	760	949	973	998
Erie.....		43	73	101	626	756	822	691	880	904	928
Ashtabula .....			27	56	585	715	781	650	839	863	887
Fairport.....				30	563	693	759	628	817	841	865
Cleveland.....					544	674	739	609	798	822	846
Escanaba .....						201	275	339	578	602	626
Milwaukee.....							83	519	708	732	755
Chicago .....								581	773	797	820
Marquette .....											279
Ashland.....										72	94
Two Harbors .....											27

Distances to Chicago are by south passage; if by middle passage add nine miles; if west passage add 17 miles to the distances to Lake Superior and Lake Erie ports.

## **DETROIT RIVER POSTAL SERVICE.**

### **REGULATIONS AS PUBLISHED BY THE POSTMASTER OF THE CITY OF DETROIT.**

It will be necessary for boats desiring to receive or deliver United States mail to enter the American channel, but only at the point of delivery.

The station will be located at the foot of First street, and deliveries will be made as nearly opposite that point as possible by a launch and small boats, the service being a continuous one day and night.

When telegrams from passing vessels are handed to the marine letter carrier, the amount of money accompanying same, in addition to the cost of the message, should be sufficient to attach a 2-cent postage stamp to same.

The delivery of telegrams may be had by instructing the telegraph company to attach a 2-cent stamp to the telegram, and, for immediate delivery, the addition of a special delivery stamp.

Mail for delivery from the marine postoffice should be directed to the "Marine Postoffice, Detroit, Mich." and deliveries will be made throughout the entire period of navigation.

The signal to passing boats from the United States mail boat for delivery of mail will be one long whistle, one short whistle, one long whistle.

Signal for steam vessels wanting the mail boat to call for mail: One long whistle, one short whistle, one long whistle.

Signal for sailing vessels requiring mail boat: White flag by day, flashing bright light at night.

Signal from mail boat to large boats to check down: Three blasts of mocking bird whistle.

Signal from row boat belonging to mail boat when approaching vessels for delivery of mail: White flag in day time, swinging bright light at night.

**IMPORTANT:** Letters and packages will be received from passing boats by the marine carriers for registration and a receipt issued to the senders at the time, but registered letters and parcels can not be delivered to passing boats, as the necessary identification and receipts can not be had. The addressees of such letters and parcels are, however, duly notified by mail of their receipt, and that they will be held at the postoffice the usual time, subject to their order to forward or to deliver to some person ashore.

Money orders can also be procured through the marine carriers by following the instructions issued by the postmaster; if not provided with a copy of same, apply to the carrier.



## HINTS TO MASTERS.

By Capt. Henry Leisk of Lodge No. 6.

What is the difference between general and particular average? General average constitutes that which was voluntarily sacrificed for the benefit of whole. It must be a wilful and deliberate act of the master, whereby he can save something of greater value than that which was sacrificed.

Who pays general average?

The owner of the vessel, cargo and freight, each in proportion to the value saved.

Particular average constitutes that which was taken from you against your will and without your consent, such as masts or rigging being torn overboard, or boats being washed away, or other articles being broken by the force of heavy seas breaking on board.

What is an average bond?

An agreement signed by the master, the consignee, or if no consignee, by all the merchants who have cargo on board, binding themselves to pay their proportion of their loss by general average. It should be signed before the cargo is delivered, otherwise the master loses his claim on the goods.

What is a protest?

It is the master and crews' sworn statement of the particular events of the voyage, explaining in full detail all the actual or anticipated loss or damage to vessel or cargo. The protest should be noted within twenty-four hours after arriving in port. It may be extended within six months from the date of noting.

What is a bill of lading?

A stamped receipt for cargo received on board the ship, signed by the master, owner or agent of the boat, in which the master binds himself and vessel under certain exceptions to deliver the cargo at the port of destination in like good order and condition as he received them, the consignee paying freight on receipt of the same.

Never sign a bill of lading before the goods are on board.

When the wind shifts against the sun  
Trust it not for back it will run.  
Whether in safety or in doubt  
Always keep a good lookout.  
In narrow channels with no room to turn,  
Check her, stop her, go astern.

As long as you keep a green light open to a green light, or a red light open to a red light, no collision can happen between passing steamers.

The frequent and reckless use of "port helm" leads to collisions especially in narrow channels.

The passing signal given and answered in foggy weather, when vessels are invisible to each other, should be acted upon with great caution as it is yet to be determined whether the giving and answering of these signals are legalized by the act of February 8, 1895: see rules 23 and 26; also rule 14 which deals exclusively with fog signals.

Preserve discipline and order, and at all times. Let the dignity of your high position be recognized and respected. By your cool and dispassionate judgment and exemplary conduct you will win the love and admiration of your subordinates as well as your superiors, and will merit the name of gentleman, rather than that of bully.

If you should unfortunately meet with disaster do all that is within your power for the preservation of the lives and property entrusted to your care. No matter whether your vessel and cargo is insured or not, you are entrusted with its care and should exert every influence for the safety of the whole. You are the authorized agent of the owner and insurer alike and should work indefatigably for the interests of both. Never allow a wrecking master to supersede you. He is your servant if you permit him, you are not his servant. He is no gentleman if he offers you any insult.

The following is a useful method for finding the distance from a light-house or other well defined object when running along the land, and should be frequently used by the officer in charge of the deck, more especially in hazy or dark weather, when the position of the vessel cannot be exactly located. Young officers should bear in mind that the following rules and diagrams are put here especially for their benefit. They can practice these rules without chart, parallel, rulers or dividers, and can ascertain the ship's distance off all prominent points of land by giving a little attention to the course steered and distance run by taking an occasional bearing of any well known object as described by the following rule:

Take a bearing of the light-house or other object on shore, and note the time and see how many points it differs from the course you are steering. When this difference is doubled the distance run will be equal to the distance the ship is from the light-house, making due allowance for drift or currents.



### EXAMPLE.

A ship is steering north, going 12 miles per hour; at 10:45 a. m. a light-house bore N. B. W.  $\frac{1}{2}$  W.; difference between the bearing and course steered,  $1\frac{1}{2}$  points. Kept on same course until it bore N. W. B. N. just double the difference in points; time 11:30 a. m.; distance run, 8 miles distance off light-house, 8 miles.

The practical demonstration of this theory will be shown in the second and third example.

Had the course steered been a dangerous one you would have sufficient warning by placing the vessel's position on the chart and changing the vessel's course before you reached the dangerous spot.

Another useful example is the six point bearing which has about the same merit as the four point bearing.

### EXAMPLE.

When running along the land you observe a light-house or point of land bearing three points before the beam. Run on the same course until it bears three points abaft the beam; the distance run in the interval will be the distance off the light-house at the time the last bearing was taken.

### TO CORRECT THE COMPASS FOR VARIATION.

Course by compass given:

If variation is east allow to the right; if variation is west allow to the left will give true course.

True course given:

If variation is east allow to the left; if variation is west allow to the right will give magnetic course.

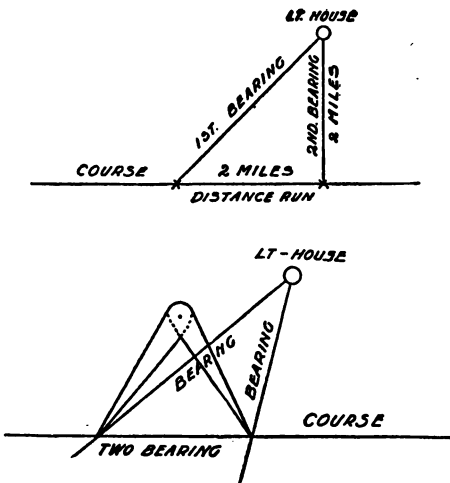
### THE USE OF THE BEARING INDICATOR.

Presented with Compliments of Buffalo Lodge.

- (1) How to find the error of the compass by the north star.
- (2) And by the rising and setting sun.
- (3) How to obtain the distance off from a light-house or other known objects by bearings known as the four-point bearing, the cross bearing or the two-bearing method which are thus explained.
- (1) To obtain the error of the compass by a bearing of the north star. Set the dial of the indicator same as the pilot house compass, then point the sight-bar toward the north star and the indicator will show the error at once.

(2) By having the amplitude tables that have been published for the lake region, the error of the compass may be obtained by taking a bearing of the rising or setting sun.

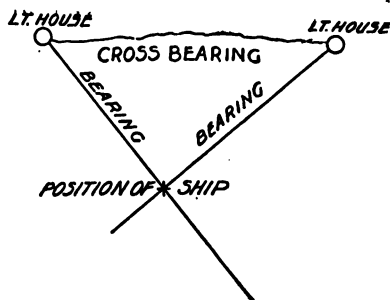
#### THE FOUR POINT BEARING.



The four-point bearing is the most simple and easy bearing to take that will give the exact distance off a light-house or other known object without having to use the chart, and is taken thus: For instance, your course is N.  $\frac{1}{2}$  W., set the sight-bar at N. W.  $\frac{1}{2}$  W., or four (4) points of the bow; when the light-house or other object comes in range, note the time or log, or both, then run till the light-house or other object is abreast or eight (8) points of the bow, and the distance run between bearings will be the exact distance to the light-house.

#### THE CROSS BEARING.

The cross bearing is a very simple, quick and correct bearing when there are two light-houses in view, and is taken thus: Take a bearing of each light-house and draw them on the chart, and where the lines cross is the position of the ship.



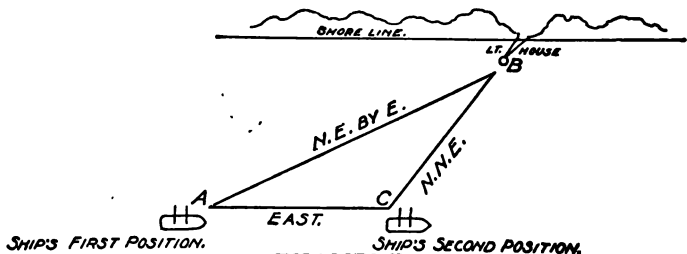
The two bearing method is taken thus: Take a bearing of light-house and draw the line on the chart, then run any distance, say a mile or two miles, then take another bearing, and draw it on the chart also, then set the dividers to the distance run, according to scale on chart, and draw them down the bearings on the course you have been steering till one point of the dividers rests on each line, and that will be the location of the ship at each bearing.

### TO FIND A SHIP'S DISTANCE.

FROM A POINT OF LAND OR A LIGHT, WITHOUT A TABLE, CHART OR DIVIDERS.

*Submitted by Bro. F. B. Higgin*

The problem is of great service when sailing along any coast and is as follows: Suppose any well known shore light bears two or three points on either bow, then let the ship keep on her course till it bears the same number of points to the left of the first bearing; the distance the ship has run in the interval is her distance from the light at the time of taking the second bearing.



### EXAMPLE.

Let A be a ship steering east; B a light bearing three points on the port bow, that is, N. E. by E. She proceeds on her course till the light bears three points to the left of N. E. by E. that is N. N. E., then C B. is equal to C. A. by 6th proposition, first book of Euclid.

# TABLE

*For finding the Distance of an Object by Two Bearings, and the Distance between them.*

Diff. between the Course and and Bearing.	DIFFERENCE BETWEEN THE COURSE AND THE FIRST BEARING.															
	POINTS OF THE COMPASS.															
	Pnts	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9
	3½	1.00														
	4	1.00														
	4½	0.81	1.23													
	5	0.69	1.00	1.45												
	5½	0.60	0.85	1.17	1.66											
	6	0.54	0.74	1.00	1.35	1.85										
	6½	0.49	0.67	0.88	1.14	1.50	2.02									
	7	0.46	0.61	0.79	1.00	1.27	1.64	2.17								
	7½	0.43	0.53	0.72	0.90	1.11	1.39	1.77	2.30							
	8	0.41	0.57	0.67	0.82	1.00	1.22	1.50	1.87	2.41						
	8½	0.40	0.51	0.63	0.76	0.92	1.09	1.31	1.58	1.96	2.50					
	9	0.39	0.49	0.60	0.72	0.85	1.00	1.18	1.39	1.66	2.03	2.56				
	9½	0.38	0.48	0.58	0.69	0.80	0.93	1.08	1.25	1.46	1.72	2.08	2.60			
	10	0.38	0.47	0.57	0.66	0.76	0.88	1.00	1.14	1.31	1.51	1.76	2.11	2.61		
	10½	0.38	0.47	0.56	0.65	0.74	0.84	0.94	1.06	1.19	1.35	1.53	1.79	2.12	2.60	
	11	0.39	0.47	0.56	0.64	0.72	0.81	0.90	1.00	1.11	1.24	1.39	1.57	1.80	2.11	2.56
	11½	0.40	0.48	0.56	0.63	0.71	0.79	0.87	0.95	1.05	1.15	1.27	1.41	1.58	1.79	2.08
	12	0.41	0.49	0.57	0.64	0.71	0.78	0.85	0.92	1.00	1.08	1.18	1.29	1.41	1.57	1.76
	12½	0.43	0.51	0.58	0.65	0.71	0.77	0.83	0.90	0.97	1.03	1.11	1.20	1.29	1.41	1.51

**RULE 1st.** To find the distance of the object when the last Bearing was taken, enter the table with the number of points at the top, contained between the first Bearing and the ship's head, and the number of points at the side, contained between the second Bearing and the ship's head. At the angle of meeting take out the tabular number, which multiply by the number of miles of Distance made good by the ship. The result is the Distance in miles off shore at the time the last Bearing was taken.

**RULE 2d.** To find the Distance when the first Bearing was observed, enter the table with the difference between these Bearings and 16 points; the second Bearing in this case must be taken from the top, and the first Bearing from the side column. Take out the tabular number corresponding and multiply it by the number of miles of Distance made good by the ship. The result is the Distance of the ship off shore at the time of the first Bearing.

## RULE.

9.50

1.51 1.76. 2.11 2.61

1.25 1.55 1.79 2.12 2.60

1.24 1.39 1.57 1.80 2.11 2.56

1.15 1.27 1.41 1.58 1.79 2.08 2.50

1.08 1.18 1.29 1.41 1.57 1.76 2.03 2.41

1.03 1.11 1.20 1.29 1.41 1.55 1.72 1.96 2.30

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**Difference between the course and the first bearing in points:**

Compliments of Chicago Lodge No. 3, Ship Masters' Association.

## **PILOT RULES FOR THE GREAT LAKES**

### **And Their Connecting and Tributary Waters.**

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Rules and Regulations for the government of pilots of vessels propelled by steam, gas, fluid, naphtha, or electric motors, and of other vessels propelled by machinery, navigating the Great Lakes and their connecting and tributary waters as far east as Montreal, adopted by the Board of United States Supervising Inspectors, Steamboat Inspection Service, on February 14, 1907, and approved by the Secretary of Commerce and Labor on February 25, 1907, under the authority of an Act of Congress approved February 8, 1895.

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**These Rules Shall Be Effective On and After July 1, 1907.**

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#### **PRELIMINARY.**

In the following rules the words "steam vessel" and "steamer" shall include any vessel propelled by machinery.

A vessel is "under way" within the meaning of these rules when she is not at anchor or made fast to the shore or aground.

"Risk of collision" can, when circumstances permit, be ascertained by carefully watching the compass bearing of an approaching vessel. If the bearing does not appreciably change, such risk should be deemed to exist.

#### **SIGNALS.**

Rule I. In all weathers every steam vessel under way in taking any course authorized or required by these rules shall indicate that course by the following "signals" on her whistle, to be accompanied, whenever required, by corresponding alteration of her helm; and every steam vessel receiving a signal from another shall promptly respond with the same signal or sound the danger signal as provided in Rule II:

"One blast" means, "I am directing my course to starboard," except when two steamers are approaching each other at right angles or obliquely, other than when one steamer is overtaking another, one short blast signifies intention of steamer which is to starboard of the other to hold course and speed.

"Two blasts" mean, "I am directing my course to port," except that when two steamers are approaching each other at right angles



or obliquely, other than when one steamer is overtaking another, two short blasts signify desire of or assent to steamer which is to port of the other to cross the bow of steamer to starboard.

Rule II. If, when steamers are approaching each other, the pilot of either vessel fails to understand the course or intention of the other, whether from signals being given or answered erroneously, or from other causes, the pilot so in doubt shall immediately signify the same by giving the "danger signal" of four or more short and rapid blasts of the whistle; and if both vessels shall have approached within half a mile of each other, both shall be immediately slowed to a speed barely sufficient for steerageway, and, if necessary, stopped and reversed, until the proper signals are given, answered, and understood, or until the vessels shall have passed each other.

Rule III. Steam vessels are forbidden to use what has become technically known among pilots as "cross signals"—that is, answering one whistle with two, and answering two whistles with one. In all cases, and under all circumstances, a pilot receiving either of the whistle signals provided in the rules, which for any reason he deems injudicious to comply with, instead of answering it with a cross signal, shall at once sound the danger signal and observe the rule applying thereto (Rule II).

Rule IV. The signals for passing, by the blowing of the whistle, shall be given and answered by pilots in compliance with these rules, not only when meeting "head and head," or nearly so, but at all times when passing or meeting at a distance within a half mile of each other, and whether passing to the starboard or port.

#### SITUATIONS.

Rule V. When steamers are approaching each other "head and head," or nearly so, it shall be the duty of each steamer to pass on the port side of the other; and the pilot of either steamer may be first in determining to pursue this course, and thereupon shall give, as a signal of his intention, one short and distinct blast of his whistle, which the pilot of the other steamer shall answer promptly by a similar blast of his whistle, and thereupon such steamers shall pass on the port side of each other. But if the courses of such steamers are so far on the starboard of each other as not to be considered by pilots as meeting "head and head," or nearly so, the pilot so first deciding shall immediately give two short and distinct blasts of his whistle, which the pilot of the other steamer shall answer promptly by two similar blasts of his whistle, and they shall pass on the starboard side of each other: Provided, however, That in all narrow channels where there is a current and in the rivers St. Mary, St. Clair, Detroit, Niagara, and St. Lawrence, when two steamers

are meeting, the descending steamer shall have the right of way, and shall, before the vessels shall have arrived within the distance of one-half mile of each other, give the signal necessary to indicate which side she elects to take.

In the night, steamers will be considered as meeting "head and head" so long as both the colored lights of each are in view of the other.

Rule VI. Whenever a steamer is nearing a short bend or curve in the channel, where, from the height of the banks or other cause, a steamer approaching from the opposite direction cannot be seen for a distance of half a mile, the pilot of such steamer, when he shall have arrived within half a mile of such curve or bend, shall give a signal by one long blast of the whistle, which signal shall be answered by a similar blast, given by the pilot of any steamer within hearing that may be approaching on the other side, and within half a mile of such bend or curve. Should such signal be so answered by a steamer upon the further side of such bend, then the usual signals for meeting and passing shall immediately be given and answered; but if the first signal of such pilot be not answered, he is to consider the channel clear and govern himself accordingly.

Rule VII. When a steamer is moved from its dock or berth, and other steamers are liable to approach such steamer from any direction, such steamer and any approaching steamer shall give the same signals as in case of steamers meeting at a bend; but immediately after clearing the dock or berth as to be fully in sight they shall be governed by the rules for passing.

Rule VIII. When one steamer is overtaking another, and the pilot of a steamer which is astern shall desire to pass on the right or starboard hand of the steamer ahead, he shall give one short blast of the whistle, as a signal of such desire and intention, and shall put his helm to port; or if he shall desire to pass on the left or port side of the steamer ahead, he shall give two short blasts of the whistle as a signal of such desire and intention, and shall put his helm to starboard, and the pilot of the steamer ahead shall answer by the same signals; or if he does not think it safe for the steamer astern to attempt to pass at that point, he shall immediately signify the same by giving four or more short and rapid blasts of the whistle, and under no circumstances shall the steamer astern attempt to pass the steamer ahead until such time as they have reached a point where it can be safely done, when said steamer ahead shall signify her willingness by blowing the proper signals. The boat ahead shall in no case attempt to cross the bow or crowd upon the course of the passing steamer.

Every vessel coming up with another vessel from any direction more than two points abaft her beam—that is, in such a position, with reference to the vessel which she is overtaking, that at night

she would be unable to see either of that vessel's side lights—shall be deemed to be an overtaking vessel; and no subsequent alteration of the bearing between the two vessels shall make the overtaking vessel a crossing vessel within the meaning of these rules, or relieve her of the duty of keeping clear of the overtaken vessel until she is finally passed and clear.

As by day the overtaking vessel cannot always know with certainty whether she is forward of or abaft this direction from the other vessel, she should, if in doubt, assume that she is an overtaking vessel and keep out of the way.

Rule IX. In all channels less than five hundred feet in width, no steam vessel shall pass another going in the same direction unless the steam vessel ahead shall be disabled or signify her willingness that the steam vessel astern shall pass, when the steam vessel astern may pass, subject, however, to the other rules applicable to such a situation. And when steam vessels proceeding in opposite directions are about to meet in such channels, both such vessels shall be slowed down to a moderate speed, according to the circumstances.

Rule X. When two steamers are approaching each other at right angles or obliquely so as to involve risk of collision, other than when one steamer is overtaking another, the steamer which has the other on her own port side shall hold her course and speed; and the steamer which has the other on her own starboard side shall keep out of the way of the other by directing her course to starboard so as to cross the stern of the other steamer, or, if necessary to do so, slacken her speed or stop or reverse. The steamer having the other on her own port bow shall blow one blast of her whistle as a signal of her intention to cross the bow of the other, holding her course and speed, which signal shall be promptly answered by the other steamer by one short blast of her whistle as a signal of her intention to direct her course to starboard so as to cross the stern of the other steamer or otherwise keep clear.

If from any cause whatever the conditions covered by this situation are such as to prevent immediate compliance with each other's signals, the misunderstanding or objection shall be at once made apparent by blowing the danger signal, and both steamers shall be stopped, and backed if necessary, until signals for passing with safety are made and understood.

Rule XI. When two steamers are approaching each other at right angles or obliquely, other than when one steamer is overtaking another, so that the steamer having the other on her own starboard side may cross the bow of the other, without involving risk of collision, the steamer having the other on her own starboard side may cross the bow of the other. If the steamers are within half a mile of each other the steamer having the other on her own starboard side shall give, as a signal of her intention to cross the bow, of the

other, two short and distinct blasts of her whistle, which, if assented to, the other steamer shall promptly answer by two similar blasts of her whistle, when the steamer having the other on her own starboard bow may cross the bow of the other, in which case the steamer having the other on her own port side shall keep out of the way of the other. If, however, the steamer having the other on her own port side deems it dangerous for the other steamer to cross her bow, she shall sound the danger signal, in which case both steamers shall be stopped, and backed if necessary, until signals for passing with safety are made, answered, and understood.

Rule XII. When a steam vessel and a sailing vessel are proceeding in such directions as to involve risk of collision the steam vessel shall keep out of the way of the sailing vessel.

Rule XIII. In obeying and construing these rules due regard shall be had to all dangers of navigation and collision and to any special circumstances which may render a departure from the above rules necessary in order to avoid immediate danger.

#### FOG SIGNALS.

Rule XIV. Whenever there is thick weather by reason of fog, mist, falling snow, heavy rain storms, or other causes, whether by day or by night, fog signals shall be used as follows:

A steam vessel under way, excepting only a steam vessel with raft in tow, shall sound at intervals of not more than one minute three distinct blasts of her whistle.

A steamer with a raft in tow shall sound at intervals of not more than one minute a screeching or Modoc whistle for from three to five seconds.

Every vessel in tow of another vessel shall, at intervals of one minute, sound four bells on a good and efficient and properly placed bell as follows: By striking the bell twice in quick succession, followed by a little longer interval, and then again striking twice in quick succession (in the manner in which four bells is struck in indicating time).

Any vessel at anchor and any vessel aground in or near a channel or fairway shall, at intervals of not more than two minutes, ring the bell rapidly for three to five seconds.

#### SPEED TO BE MODERATE IN FOG, AND SO FORTH.

Rule XV. Every steam vessel shall, in thick weather, by reason of fog, mist, falling snow, heavy rain storms, or other causes, go at moderate speed. A steam vessel hearing, apparently not more than four points from right ahead, the fog signal of another vessel, shall at once reduce her speed to bare steerageway, and navigate with caution until the vessels shall have passed each other.

#### POSTING OF PILOT RULES.

On steam and other motor vessels of over 100 gross tons, two copies of the placard form of these rules (Form 807) shall be kept posted up in conspicuous places in the vessel, one copy of which shall be kept posted up in the pilot house. On steam and other motor vessels of over 25 gross tons and not over 100 gross tons, two copies of the placard form of pilot rules shall be kept on board, one copy of which shall be kept posted up in the pilot house. On steam and other motor vessels of 25 gross tons and under, two copies of the placard form of pilot rules shall be kept on board, and, where practicable, one copy thereof shall be kept conspicuously posted up in the vessel. (Authority: Section 3, act of Congress approved February 8, 1895.)

#### DIAGRAMS.

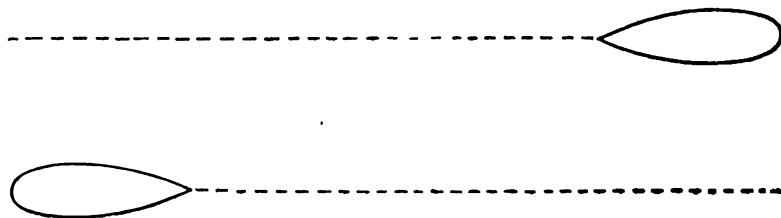
The following diagrams are intended to illustrate the working of the system of colored lights and pilot rules:

##### FIRST SITUATION.



Here the two colored lights visible to each will indicate their direct approach "head and head" toward each other. In this situation it is a standing rule that both shall put their helms to port and pass on the port side of each other, each having previously given one blast of the whistle.

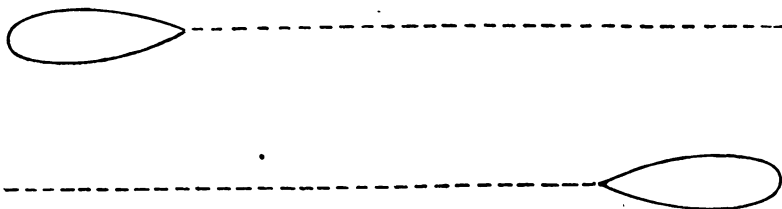
##### SECOND SITUATION.



In this situation the red light only will be visible to each, the screens preventing the green lights from being seen. Both vessels are evidently passing to port of each other, which is rulable in this situation, each pilot having previously signified his intention by one blast of the whistle.

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THIRD SITUATION.



In this situation the green light only will be visible to each, the screens preventing the red light from being seen. They are therefore passing to starboard of each other, which is rulable in this situation, each pilot having previously signified his intention by two blasts of the whistle.

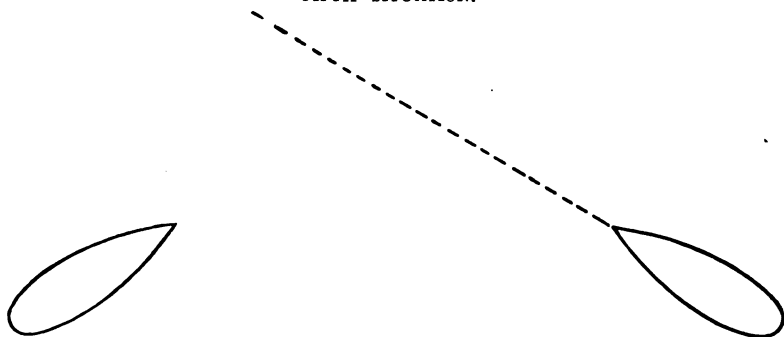
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FOURTH SITUATION.



In this situation one steamer is overtaking another steamer from some point within the angle of two points abaft the beams of the overtaken steamer. The overtaking steamer may pass on the starboard or port side of the steamer ahead after the necessary signals for passing have been given, with assent of the overtaken steamer, as prescribed in Rule VIII.

FIFTH SITUATION.



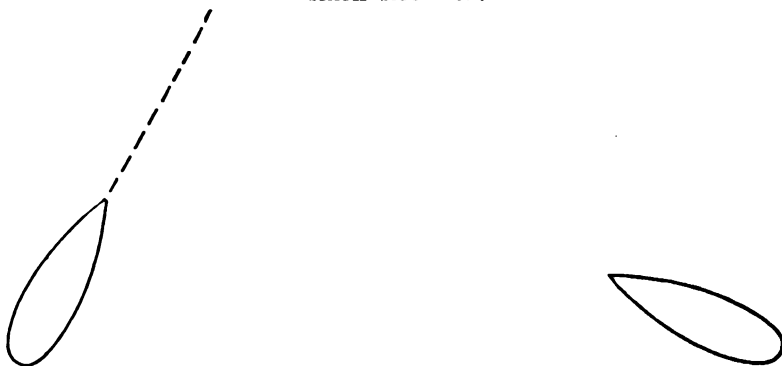
In this situation two steamers are approaching each other at right angles or obliquely in such manner as to involve risk of collision, other than where one steamer is overtaking another.

The steamer which has the other on her own port side shall hold course and speed, and the other shall keep clear by crossing astern of the steamer that is holding course and speed, or, if necessary to do so, shall slacken her speed or stop or reverse.

Both steamers shall otherwise observe the provisions of Rule X with respect to the signals for passing and the danger signal.

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SIXTH SITUATION.



In this situation two steamers are approaching each other at right angles or obliquely without involving risk of collision, the course and speed of both being such as would clearly allow the

steamer having the other on own starboard side to cross the bow of the other without interfering with the course and speed of the other. In this case the steamer having the other on own starboard side may cross ahead of the other, after giving the necessary signals, and receiving the assent of the other steamer, when within half a mile of each other, as provided in Rule XI.

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## **DETROIT RIVER.**

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### **Rules and Regulations for Navigating the Lower Detroit River, which Have Received the Joint Approval of the Governments of the United States and the Dominion of Canada.**

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#### **RULES AND REGULATIONS.**

1. Administration. The lower Detroit River shall be in charge of the officer of the Corps of Engineers, U. S. Army, detailed for the improvement of the Detroit River by the Secretary of War. His representative at the locality shall be the captain of the patrol boat, who shall receive his orders and instructions from the Engineer Officer in charge, but in cases of emergency shall have authority to take such steps as may be immediately necessary without waiting for specific instructions from the Engineer Officer in charge, and shall see to the enforcement of the following rules and regulations.

2. Definition. The lower Detroit River shall include all that portion of the river between the Mamajuda range lights and Lake Erie.

3. No freight boat bound down shall pass or approach another freight boat bound in the same direction nearer than one-quarter of a mile between Mamajuda range lights and the lower end of Bois Blanc Island.

4. No passenger boat bound down shall pass another boat bound down between the south gas buoy No. 2, Ballard Reef Channel, and the head of Bois Blanc Island.



5. No vessel, freight or passenger, shall pass another going in the same direction, or in the opposite direction, in the narrow portion of the channel at Limekiln Crossing, during the progress of the work of widening the channel at this locality.

6. All vessels, both freight and passenger, bound up or down, when signaled so to do, shall slow down in passing any part of the plant engaged on channel improvements.

7. Three distinct blasts of the steam whistle, when sounded from a patrolling vessel, will indicate that the vessel to which such signal is given is proceeding at too high a rate of speed, and such vessel must immediately moderate her speed accordingly.

8. Three long blasts of the steam whistle followed by two short blasts, when sounded from a patrolling vessel, will indicate that the vessel to which such signal is given must stop until further orders from the patrolling vessel.

9. One long blast followed by four short blasts, when sounded from the patrolling vessel, will indicate that the vessel to which such signal is given may proceed on her course.

10. While in the performance of his duties, all orders of the Engineer Officer or his representative shall be obeyed. Any violation of such orders, and any violation of the above rules and regulations, shall subject the offender to the penalties provided in the law quoted in the first part of these regulations.

11. In the emergency specified in section 20 of the Act of Congress of March 3, 1899, (in case the channel is blocked by the sinking, grounding, or other unavoidable delay of a vessel) the officer in charge, or his representative, in addition to the authority therein given, shall have full power to stop all vessels and direct their anchorage, clear the channel, designate the order in which all vessels shall proceed after the channel is opened, and shall do all other things necessary and proper to expedite the passage of vessels.

Concurred in by the officers representing the United States and the Dominion of Canada at a joint conference held at Detroit, July 31, 1907.

**RULES AND REGULATIONS FOR NAVIGATING THE DETROIT RIVER IN THE VICINITY OF DETROIT RIVER LIGHTHOUSE.**

October 10, 1907. The Government has improved the channel to the westward of Detroit River lighthouse, extending out to deep water in Lake Erie. This channel has a width of 400 feet and depth of 22.7 feet at mean stage of water.

Fourteen black spar buoys, which are lighted at night, mark the western edge of this channel from Bar Point Shoal lightship to its outer end. One red and black spar and seven red spars, also lighted, mark the eastern edge of the channel from a point about 1,500 feet

above Detroit River lighthouse to its outer end. These marks are placed and maintained by the Lake Carriers' Association.

The two spar buoys marking the outer end of this channel were replaced by two acetylene-gas buoys on or about October 16.

The following regulations will govern the use of this channel:

"All down-bound vessels," after passing the Bar Point lightship, shall keep the black spar buoys close aboard and pass to the westward of the Detroit River lighthouse.

"All up-bound vessels" shall pass to the eastward of the Detroit River lighthouse, entering the channel between the red and black spar buoy and the red gas buoy, this being the usual course.

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## **RULES AND REGULATIONS FOR NAVIGATING THE SAINT CLAIR RIVER, MICH., IN THE VICINITY OF STAG ISLAND.**

The United States Government having improved the channel to the westward of Stag Island by the removal of shoals, the following regulation is promulgated by the Secretary of War in pursuance of the provisions of Section 4 of the river and harbor act of August 18, 1894, as amended by Section 11 of the river and harbor act of June 13, 1902.

All through-bound vessels in passing through the river at this point shall keep to the right, that is to say, all up-bound boats shall pass through the eastern channel and all down-bound boats through the western channel.

This rule shall only apply to through-bound vessels and not to vessels running between local points on the river, which vessels may take either channel, conforming to the ordinary rules of the road at sea.

ROBERT SHAW OLIVER,

Assistant Secretary of War.

War Department, January 8, 1907.

The Canadian Government have concurred in the foregoing regulations for the navigation of the St. Clair River.

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### **Penalties for Violations.**

Every person and every corporation which shall violate such rules and regulations shall be deemed guilty of a misdemeanor and, on conviction thereof in any district court of the United States within whose territorial jurisdiction such offense may have been committed, shall be punished by a fine not exceeding five hundred dollars, or by imprisonment (in case of a natural person) not exceeding six months, in the discretion of the court.

## **RULES OF THE ROAD FOR THE GREAT LAKES, KNOWN AS THE WHITE LAW.**

An act to regulate navigation on the Great Lakes and their connecting and tributary waters.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following rules for preventing collisions shall be followed in the navigation of all public and private vessels of the United States upon the Great Lakes and their connecting and tributary waters as far east as Montreal.

### **STEAM AND SAIL VESSELS.**

Rule 1. Every steam vessel which is under sail and not under steam shall be considered a sail vessel; and every steam vessel which is under steam, whether under sail or not, shall be considered a steam vessel. The word steam vessel shall include any vessel propelled by machinery. A vessel is under way within the meaning of these rules when she is not at anchor or made fast to the shore, or aground.

### **LIGHTS.**

Rule 2. The lights mentioned in the following rules and no others shall be carried in all weathers from sunset to sunrise. The word visible in these rules when applied to lights shall mean visible on a dark night with a clear atmosphere.

Rule 3. Except in the cases hereinafter expressly provided for, a steam vessel when under way shall carry:

(a) On or in front of the foremast, or if a vessel without a foremast, then in the fore part of the vessel, at a height above the hull of not less than twenty feet, and if the beam of the vessel exceeds twenty feet, then at a height above the hull not less than such beam, so, however, that such height need not exceed forty feet, a bright white light so constructed as to show an unbroken light over an arc of the horizon of twenty points of the compass, so fixed as to throw the light ten points on each side of the vessel, namely, from right ahead to two points abaft the beam on either side, and of such character as to be visible at a distance of at least five miles.

(b) On the starboard side, a green light, so constructed as to throw an unbroken light over an arc of the horizon of ten points of the compass, so fixed as to throw the light from right ahead to two points abaft the beam on the starboard side, and of such a character as to be visible at a distance of at least two miles.

(c) On the port side, a red light, so constructed as to show an unbroken light over an arc of the horizon of ten points of the compass, so fixed as to throw the light from right ahead to two points abaft the beam on the port side, and of such a character as to be visible at a distance of at least two miles.

(d) The said green and red lights shall be fitted with inboard screens projecting at least three feet forward from the light, so as to prevent these lights from being seen across the bow.

(c) A steamer of over one hundred and fifty feet register length shall also carry when under way an additional bright light similar in construction to that mentioned in subdivision (a), so fixed as to throw the light all around the horizon and of such a character as to be visible at a distance of at least three miles. Such additional light shall be placed in line with the keel at least fifteen feet higher from the deck and more than seventy-five feet abaft the light mentioned in subdivision (a).

#### VESSELS TOWING.

Rule 4. A steam vessel having a tow other than a raft shall in addition to the forward bright light mentioned in subdivision (a) of rule three, carry in a vertical line not less than six feet above or below that light a second bright light of the same construction and character and fixed and carried in the same manner as the forward bright light mentioned in said subdivision (a) of rule three. Such steamer shall also carry a small bright light abaft the funnel or after mast for the tow to steer by, but such light shall not be visible forward of the beam.

Rule 5. A steam vessel having a raft in tow shall, instead of the forward lights mentioned in rule four carry on or in front of the foremast, or if a vessel without a foremast, then in the fore part of the vessel, at a height above the hull of not less than twenty feet and if the beam of the vessel exceeds twenty feet, then at a height above the hull not less than such beam, so however that such height need not exceed forty feet, two bright lights in a horizontal line athwartships and not less than eight feet apart, each so fixed as to throw the light all around the horizon and of such character as to be visible at a distance of at least five miles. Such steamer shall also carry the small bright steering light aft, of the character and fixed as required in rule four.

Rule 6. A sailing vessel under way and any vessel being towed shall carry the side lights mentioned in rule three.

A vessel in tow shall also carry a small bright light aft, but such light shall not be visible forward of the beam.

Rule 7. The lights for tugs under thirty tons register, whose principal business is harbor towing and for boats navigating only on the River St. Lawrence, also ferryboats, rafts, and canal boats, shall be regulated by rules which have been or may hereafter be prescribed by the Board of Supervising Inspectors of Steam Vessels.

Rule 8. Whenever, as in the case of small vessels under way during bad weather, the green and red side lights cannot be fixed, these lights shall be kept at hand lighted and ready for use, and shall, on the approach of or to other vessels, be exhibited on their respective sides in sufficient time to prevent collision, in such manner as to make them most visible, and so that the green light shall not be seen on the port side, nor the red light on the starboard side, nor, if practicable, more than two points abaft the beam, on their respective sides. To make the use of these portable lights more certain and easy, they shall each be painted outside with the color of the light they respectively contain, and shall be provided with suitable screens.

**Rule 9.** A vessel under one hundred and fifty feet register length, when at anchor, shall carry forward, where it can best be seen, but at a height not exceeding twenty feet above the hull, a white light in a lantern constructed so as to show a clear, uniform, and unbroken light, visible all around the horizon, at a distance of at least one mile.

A vessel of one hundred and fifty feet or upward in register length, when at anchor, shall carry in the forward part of the vessel, at a height of not less than twenty and not exceeding forty feet above the hull, one such light, and at or near the stern of the vessel, and at such a height that it shall be not less than fifteen feet lower than the forward light, another such light.

**Rule 10.** Produce boats, canal boats, fishing boats, rafts, or other water craft navigating any bay, harbor, or river by hand power, horse power, sail, or by the current of the river, or which shall be anchored or moored in or near the channel or fairway of any bay, harbor, or river, and not otherwise provided for in these rules, shall carry one or more good white lights, which shall be placed in such manner as shall be prescribed by the Board of Supervising Inspectors of Steam Vessels.

**Rule 11.** Open boats shall not be obliged to carry the side lights required for other vessels, but shall, if they do not carry such lights, carry a lantern having a green slide on one side and a red slide on the other side; and on the approach of or to other vessels such lantern shall be exhibited in sufficient time to prevent collision, and in such a manner that the green light shall not be seen on the port side, nor the red light on the starboard side. Open boats, when at anchor or stationary, shall exhibit a bright white light. They shall not, however, be prevented from using a flare-up in addition if considered expedient.

**Rule 12.** Sailing vessels shall at all times, on the approach of any steamer during the night-time, show a lighted torch upon that point or quarter to which such steamer shall be approaching.

**Rule 13.** The exhibition of any light on board of a vessel of war or revenue cutter of the United States may be suspended whenever, in the opinion of the Secretary of the Navy, the commander in chief of a squadron, or the commander of a vessel acting singly, the special character of the service may require it.

#### FOG SIGNALS.

**Rule 14.** A steam vessel shall be provided with an efficient whistle, sounded by steam or by some substitute for steam, placed before the funnel not less than eight feet from the deck, or in such other place as the local inspectors of steam vessels shall determine, and of such character as to be heard in ordinary weather at a distance of at least two miles, and with an efficient bell, and it is hereby made the duty of the United States local inspectors of steam vessels when inspecting the same to require each steamer to be furnished with such whistle and bell. A sailing vessel shall be provided with an efficient fog horn and with an efficient bell.

Whenever there is thick weather by reason of fog, mist, falling snow, heavy rainstorms, or other causes, whether by day or by night, fog signals shall be used as follows:

(a) A steam vessel under way, excepting only a steam vessel with raft in tow, shall sound at intervals of not more than one minute three distinct blasts of her whistle.

(b) Every vessel in tow of another vessel shall, at intervals of one minute, sound four bells on a good and efficient and properly placed bell as follows: By striking the bell twice in quick succession, followed by a little longer interval, and then again striking twice in quick succession (in the manner in which four bells is struck in indicating time).

(c) A steamer with a raft in tow shall sound at intervals of not more than one minute a screeching or Modoc whistle for from three to five seconds.

(d) A sailing vessel under way and not in tow shall sound at intervals of not more than one minute—

If on the starboard tack with wind forward of abeam, one blast of her fog horn;

If on the port tack with wind forward of the beam, two blasts of her fog horn;

If she has the wind abaft the beam on either side, three blasts of her fog horn.

(e) Any vessel at anchor and any vessel aground in or near a channel or fairway shall at intervals of not more than two minutes ring the bell rapidly for three to five seconds.

(f) Vessels of less than 10 tons registered tonnage not being steam vessels, shall not be obliged to give the above-mentioned signals, but if they do not they shall make some other efficient sound signal at intervals of not more than one minute.

(g) Produce boats, fishing boats, rafts, or other water craft navigating by hand power or by the current of the river, or anchored or moored in or near the channel or fairway and not in any port, and not otherwise provided for in these rules, shall sound a fog horn, or equivalent signal, at intervals of not more than one minute.

Rule 15. Every vessel shall, in thick weather, by reason of fog, mist, falling snow, heavy rain storms, or other causes, go at moderate speed. A steam vessel hearing, apparently not more than four points from right ahead, the fog signal of another vessel shall at once reduce her speed to bare steerageway, and navigate with caution until the vessels shall have passed each other.

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## STEERING AND SAILING RULES.

### SAILING VESSELS.

Rule 16. When two sailing vessels are approaching one another so as to involve risk of collision one of them shall keep out of the way of the other, as follows, namely:

(a) A vessel which is running free shall keep out of the way of a vessel which is close hauled.

(b) A vessel which is close hauled on the port tack shall keep out of the way of a vessel which is close hauled on the starboard tack.

(c) When both are running free, with the wind on different sides, the vessel which has the wind on the port side shall keep out of the way of the other.

(d) When they are running free, with the wind on the same side, the vessel which is to windward shall keep out of the way of the vessel which is to leeward.

#### STEAM VESSELS.

Rule 17. When two steam vessels are meeting end on, or nearly end on, so as to involve risk of collision, each shall alter her course to starboard, so that each shall pass on the port side of the other.

Rule 18. When two steam vessels are crossing so as to involve risk of collision the vessel which has the other on her own starboard side shall keep out of the way of the other.

Rule 19. When a steam vessel and a sailing vessel are proceeding in such directions as to involve risk of collision the steam vessel shall keep out of the way of the sailing vessel.

Rule 20. Where, by any of the rules herein prescribed, one of two vessels shall keep out of the way, the other shall keep her course and speed.

Rule 21. Every steam vessel which is directed by these rules to keep out of the way of another vessel shall, on approaching her, if necessary, slacken her speed or stop or reverse.

Rule 22. Notwithstanding anything contained in these rules every vessel overtaking any other shall keep out of the way of the overtaken vessel.

Rule 23. In all weathers every steam vessel under way in taking any course authorized or required by these rules shall indicate that course by the following signals on her whistle, to be accompanied whenever required by corresponding alteration of her helm; and every steam vessel receiving a signal from another shall promptly respond with the same signal or, as provided in Rule Twenty-six:

One blast to mean, "I am directing my course to starboard."

Two blasts to mean, "I am directing my course to port." But the giving or answering signals by a vessel required to keep her course shall not vary the duties and obligations of the respective vessels.

Rule 24. That in all narrow channels where there is a current, and in the rivers Saint Mary, Saint Clair, Detroit, Niagara, and Saint Lawrence, when two steamers are meeting, the descending steamer shall have the right of way, and shall, before the vessels shall have arrived within the distance of one-half mile of each other, give the signal necessary to indicate which side she elects to take.

Rule 25. In all channels less than five hundred feet in width, no steam vessel shall pass another going in the same direction unless the

steam vessel ahead be disabled or signify her willingness that the steam vessel astern shall pass, when the steam vessel astern may pass, subject, however, to the other rules applicable to such a situation. And when steam vessels proceeding in opposite directions are about to meet in such channels, both such vessels shall be slowed down to a moderate speed, according to the circumstances.

Rule 26. If the pilot of a steam vessel to which a passing signal is sounded, deems it unsafe to accept and assent to said signal, he shall not sound a cross signal; but in that case, and in every case where the pilot of one steamer fails to understand the course or intention of an approaching steamer, whether from signals being given or answered erroneously, or from other causes, the pilot of such steamer so receiving the first passing signal, or the pilot so in doubt, shall sound several short and rapid blasts of the whistle; and if the vessels shall have approached within half a mile of each other both shall reduce their speed to bare steerage-way, and, if necessary, stop and reverse.

Rule 27. In obeying and construing these rules due regard shall be had to all dangers of navigation and collision and to any special circumstances which may render a departure from the above rules necessary in order to avoid immediate danger.

Rule 28. Nothing in these rules shall exonerate any vessel, or the owner or master or crew thereof, from the consequences of any neglect to carry lights or signals, or of any neglect to keep a proper lookout, or of a neglect of any precaution which may be required by the ordinary practice of seamen, or by the special circumstances of the case.

Sec. 2. That a fine not exceeding two hundred dollars may be imposed for the violation of any of the provisions of this act. The vessel shall be liable for the said penalty, and may be seized and proceeded against, by way of libel, in the district court of the United States for any district within which such vessel may be found.

Sec. 3. That the Secretary of Commerce and Labor of the United States shall have authority to establish all necessary regulations, not inconsistent with the provisions of this act, required to carry the same into effect.

The Board of Supervising Inspectors of the United States shall have authority to establish such regulations to be observed by all steam vessels in passing each other, not inconsistent with the provisions of this act, as they shall from time to time deem necessary; and all regulations adopted by the said Board of Supervising Inspectors under the authority of this act, when approved by the Secretary of Commerce and Labor shall have the force of law. Two printed copies of any such regulations for passing, signed by them, shall be furnished to each steam vessel, and shall at all times be kept posted up in conspicuous places on board.

Sec. 4. That all laws or parts of laws, so far as applicable to the navigation of the Great Lakes and their connecting and tributary waters as far east as Montreal, inconsistent with the foregoing rules are hereby repealed.

Sec. 5. That this act shall take effect on and after March first, eighteen hundred and ninety-five.



## NAVIGATION OF ST. MARY'S RIVER.

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**Rules and Regulations governing the Movements and Anchorage of Vessels as prescribed by the Secretary of the Treasury, and Amended January 22, 1901, and August 24, 1906.**

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**Rule 1.**—No vessel ascending or descending the St. Mary's river shall proceed at a greater speed than 9 statute miles per hour over the ground between Everens point and the northern floatlights in lower Hay lake of the 20-ft. channel leading from Neebish channel, nor between the crib in upper Hay lake at the entrance of the 20-ft. channel of the Frechette and Little Rapids cut and the government pier at Sault Ste. Marie, nor between the western end of Sault Ste. Marie canal pier and Pointe aux Pins light-house. Vessels of 500 tons or less are exempt from the provisions of this rule.

**Rule 2.**—No vessel shall pass or approach another vessel moving in the same direction nearer than a quarter of a mile between Everens point and the northern end of the Dark Hole, nor between the first black spar buoy south of the gas buoy in the northern part of Little Mud lake and the northern float lights in lower Hay lake of the 20-foot channel leading from Neebish channel, nor between the southern entrance of the 20-foot channel of the Frechette and Little Rapids cut and the crib light at the northern entrance of the Little Rapids cut, nor between the western end of the Sault Ste. Marie canal piers and Big point.

**Rule 3.**—All vessels bound up the St. Marys river may pass other vessels moving in the same direction between the crib light in the northern part of Mud lake, and Everens point in Little Mud lake, between the northern part of the Dark Hole and the south red buoy at Stribbling point; also between the crib light-house at the northern entrance of Little Rapids or island cut and the government pier at Sault Ste. Marie, and between Big point and the light-house at Pointe aux Pins. Vessels bound down the river shall not pass or approach other vessels moving in the same direction nearer than a quarter of a mile, from below the wharf of the Michigan & Lake Superior Power Co. at Sault Ste. Marie, until Everens point is passed, excepting, however, in Hay lake.

Vessels bound down, of less than 500 gross tons without tows, may pass other vessels moving in the same direction in Little Mud lake, provided the overtaking vessel shall pass to the westward of the black buoys and before reaching the Dark Hole.

No vessel passing another vessel shall move at a rate of speed greater than 9 statute miles per hour over the ground.

**Rule 4.**—All vessels navigating the St. Marys river may proceed at full speed and pass other vessels moving in the same direction between Point Detour and the turning channel buoy in the northern part of Mud lake, between the northern float lights of the 20-foot channel leading from

the Neebish channel into Hay lake and the crib light at the entrance of Frechette and Little Rapids cut.

Special attention is called to rule 24 of the act of congress approved Feb. 18, 1895, giving right of way to descending vessels in the St. Mary's river.

Rule 5.—In case one steamer desires to pass another going in the same direction on said river, at a point where such passing is permitted by these rules, the pilot of the steamer astern shall, if he intends to pass the steamer ahead on the right hand or starboard side, indicate such intention by giving one short blast of the steam whistle, and if he intends to pass such steamer ahead on the left hand or port side, he shall indicate such intention by giving two short blasts of the steam whistle. Upon the pilot of one steamer astern of another giving such signal, the pilot of the steamer ahead shall immediately answer by giving the same signal; but if he does not think it safe for the steamer astern to attempt to pass at that point, he shall immediately signify the same by giving several short and rapid blasts of the steam whistle; and under no circumstances shall the steamer astern attempt to pass the steamer ahead until such time as they have reached a point where it can be safely done, when said steamer ahead shall signify her willingness by blowing the proper signals; then the steamer ahead shall slacken to a slow rate of speed, and the steamer astern shall pass the overtaken steamer, giving the overtaken steamer as wide a berth as possible.

Steamers bound in opposite directions shall slow to half speed within one-quarter of a mile of each other until each has passed the other.

Rule 6.—The patrolling vessels of the revenue cutter service shall always have the right of way over all other vessels, as indicated by the sailing signals given by any such patrolling vessel.

Rule 7.—Three distinct blasts of the steam whistle, when sounded from a patrolling vessel, will indicate that the vessel to which such signal is given is proceeding at too high a rate of speed, and such vessel must immediately moderate her speed accordingly.

Rule 8.—Three long blasts of the steam whistle, followed by one short blast, when sounded from a patrolling vessel, will indicate that the vessel to which such signal is given must stop until further orders from the patrolling vessel.

Rule 9.—Two red lanterns, one above the other, hoisted on a patrolling vessel at night, will indicate to the vessel to which such signal is given that such vessel must stop and not proceed farther toward the position where such lights are displayed.

Rule 10.—No vessel or raft shall anchor in any of the improved channels now abreast of the government piers at Sault Ste. Marie, except in distress or during a fog, and any vessel so anchored must always shift her anchorage when so directed by the officer in charge of a patrolling vessel to the spot designated by such officer.

**Rule 11.**—Vessels navigating the St. Mary's river may anchor between Point Detour and Mud lake turning buoy, and at Sailors' Encampment close to the wharves of the sawmill. In Hay lake between the Neebish and Little Rapids channel outside of the channel as indicated by the ranges, but nothing in this rule shall be construed to prohibit any vessel from lying alongside of any wharf in said river.

**Rule 12.**—Rafts being towed in the St. Marys river will be required to use what is termed the "old channel." From Harwood point to Mud lake turning buoy they will move at the time designated by the officer in charge of the patrolling vessel. When lying by they must be moored out of the channel.

**Rule 13.**—In navigating the St. Marys river, in all cases where the foregoing rules are not applicable, the attention of masters and pilots is called to the sailing rules contained in the act of congress of Feb. 8, 1895.

**Rule 14.**—All vessels navigating the St. Marys river, in passing dredges and vessels at work on improvements to the channel, will be required to slacken their speed upon such dredge or other vessels engaged in such improvement giving the signal of three distinct blasts of the steam whistle.

**Rule 15.**—The pilot of every steamer descending the St. Marys river shall, when abreast of the Dark Hole gas buoy, and before passing around the bend of said river at Sailors' Encampment, give a signal of one blast of the steam whistle of 10 seconds' duration, which signal shall be answered by a blast of the steam whistle of the same duration by any vessel ascending said river within hearing. The pilot of every steamer ascending said river, not having heard such signal from a descending steamer, shall, when abreast of Everens point, and before passing around the bend of said river at Sailors' Encampment, give a signal of one blast of the steam whistle of 10 seconds' duration, which shall be answered by a blast of the same duration by any vessel descending said river within hearing. After such signal of one blast of the steam whistle of 10 seconds' duration shall have been given and answered, the usual passing signal must be given.

**Rule 16.**—When a steamer, and tug towing scow from dredge at work deepening channel in Little Rapid cut, shall be moving in same direction, steamer may pass westward of tug providing former gives customary signal for steamer when passing another steamer moving in same direction, and this signal is answered by tug.

The tug will, however, keep well over to eastern side of channel as steamer passes. But overtaking steamer shall not pass tug towing scow if steamer be approaching in opposite direction so as to make three vessels abreast when thus passing.

**Rule 17.**—No steamer stemming the current through the Dyke and island cut shall be allowed to tow more than one vessel without the aid of a tug, unless such steamer has the power to move the tow over the ground at the rate of at least 3 miles an hour.

**Rule 18.**—Whenever vessels are compelled, by reason of an obstruction in any of the channels of the St. Marys river to collect in certain parts of the river, the revenue cutter officer in charge shall direct where such vessels shall be moored and anchored, and no vessel moored or anchored, by reason of such obstruction, shall move, until directed by the revenue cutter officer in charge.

**Rule 19.**—Whenever at Johnston point, Sailor's Encampment, a red ball under a white ball by day or two red lights under a white light by night shall be displayed to indicate that a steamer with a tow is bound down, a steamer bound up below Johnston point shall navigate with caution.

**Rule 20.**—No. steamer navigating the St. Marys river, either ascending or descending, shall pass another steamer or steamers moving either in the same or opposite direction, in such a position that more than two steamers shall be abreast of each other when thus passing. In case three steamers are liable to pass in a position where more than two of them will be abreast in passing, the overtaking steamer shall check its speed within a quarter of a mile of the overtaken steamer in order to avoid passing in such position.

Whenever a steamer bound down the St. Marys river in the day-time enters the Dark Hole and a steamer bound up is approaching Johnston's point a white ball will be displayed on a pole at Johnston's point, Sailors' Encampment, in said river, until the steamer is abreast of Johnston's point, and whenever a steamer having a vessel or vessels in tow bound down in the day time enters the Dark Hole and a steamer bound up is approaching Johnston's point a red ball will be displayed under the white ball on the pole until the steamer is abreast of said point.

Whenever a steamer bound down said river at night enters the Dark Hole and a steamer bound up is approaching Johnston's point a white light over a red light will be displayed on said pole; and whenever a steamer bound down said river at night having a vessel or vessels in tow enters the Dark Hole and a steamer bound up is approaching Johnston's point a white light with two red lights under it will be displayed on said pole.

No flags or lanterns, however, will be displayed for tugboats without tows or for small vessels.

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#### SCHEDULE OF TIME TO BE RUN IN CERTAIN PARTS OF ST. MARY'S RIVER.

For the facilitation of speed calculations in connection with the rules and regulations governing the movements and anchorage of vessels in St. Mary's river, the treasury department publishes the following schedule

of distances between certain points along the St. Mary's river, together with the time required to run those distances at a speed of nine miles an hour:

Sections.	Distance in statute miles.	Time in minutes.
Mud lake buoy to Everens point.....	2 $\frac{3}{4}$	17 $\frac{1}{2}$
Everens point to Encampment crib light.....	$\frac{3}{4}$	5
Encampment crib light to Dark Hole turn.....	1 $\frac{3}{8}$	11
Dark Hole turn to Harwood point turn.....	3 $\frac{1}{4}$	21 $\frac{1}{2}$
Harwood point turn to junction buoy, Hay lake....	3 $\frac{1}{4}$	21 $\frac{3}{4}$
Junction buoy to upper lights, lower cut.....	2 $\frac{3}{4}$	18 $\frac{3}{4}$
Lower cut to Frechette cut, full speed.....	.....	.....
Lower range, Frechette cut, to red can buoy.....	1 $\frac{1}{2}$	10
Red can buoy to lower light, Little Rapids.....	1 $\frac{1}{2}$	10
Lower light to north entrance light-house.....	1 $\frac{1}{2}$	10
North entrance light-house to government pier.....	1 $\frac{3}{8}$	11
West end of piers to Big point.....	2 $\frac{1}{4}$	15
Big point to Pointe aux Pins light-house.....	3 $\frac{1}{4}$	21 $\frac{3}{4}$
Through Dike .....	1 $\frac{3}{8}$	7 $\frac{1}{2}$
Through island cut .....	1 $\frac{3}{8}$	7 $\frac{1}{2}$
Least towing time allowed vessels bound up through Dyke and island cut .....	.....	22 $\frac{1}{4}$

All complaints or appeals arising under the foregoing rules and regulations will be made to the officer commanding the United States revenue cutter, having charge of their enforcement.

## APPOINTMENTS OF MASTERS OF LAKE VESSELS.

List of Captains arranged according to name of vessel.

- |  |   |
|--|---|
| Sch. Abyssinia, T. K. Woodward.          | Str. Beaupre, H. Mandeville.                            |
| Str. Adams, Thomas, Walter Mahon.        | Str. Beaverton, J. Delaney.                             |
| Str. Adiramed, J. E. Jacobson.           | Str. Belleville, C. E. Redfearn.                        |
| Str. Admiral, William Jagenow.           | Str. Bennington, W. S. Shay.                            |
| Str. Adriatic, Barney Townsend.          | Str. Benton, W. H. Ellery.                              |
| Str. Advance, M. Olsen.                  | Str. Berry, B. F., Edward Fitch.                        |
| Str. Agawa, W. C. Jordan.                | Str. Berthier, A. Mondor.                               |
| Str. Alaska, J. J. Lehan.                | Str. Berwind, H. A., C. C. Tousley.                     |
| Str. Alaska, J. E. Williscroft.          | Str. Bessemer, W. S. Hoag.                              |
| Str. Alberta, M. McPhee.                 | Str. Bielman, C. F., John T. Hanson.                    |
| Str. Aletha, John A. Roys.               | Str. Bielman, C. F., Jr., John G. Ivers, John S. Riggs. |
| Str. Algoma, H. A. Pocock.               | Str. Binghamton, Thomas Stevenson.                      |
| Str. Algoma, G. W. Boynton.              | Str. Bixby, W. K., J. H. Ivers.                         |
| Str. Algonquin, Charles E. Robinson.     | Sch. Biwabik, H. S. Hughes.                             |
| Bge. Allegheny, W. H. Bridges.           | Str. Black, Andrew Hauser.                              |
| Bge. Aloha, A. B. Scott.                 | Sch. Blaine, James G., Sam La Flam.                     |
| Str. Alva, J. H. Madden.                 | Str. Boland, John J., John O'Hagan.                     |
| Str. America, R. H. Carnigie.            | Str. Boston, James R. Gibson.                           |
| Str. America, J. F. Hector.              | Str. Bothnia, A. Montpetit.                             |
| Str. America, A. G. Tappin.              | Sch. Bottsford, R. A. D., Shelden.                      |
| Str. Americana, George S. Riley.         | Str. Boucherville, A. Laviolette.                       |
| Str. Ames, A. E., A. McIntyre.           | Sch. Boyce, George J., Louis Frederickson.              |
| Str. Andaste, J. A. Kennedy.             | Str. Boyce, Isabella J., John C. Pringle.               |
| Sch. Anderson, Alex, J. K. Edwards.      | Str. Boyce, Mary H., Anton Christenson.                 |
| Str. Andrews, Matthew, Jos. Lampoh.      | Bge. Brake, William, Peter La Croix.                    |
| Str. Angeline, C. R. Ney.                | Str. Brazil, William Mackin.                            |
| Str. Annie Laura, D. O. Lockhart.        | Str. Britannia, Robert E. Ferguson.                     |
| Bge. Antrim, R. E. Johnson.              | Str. Britannic, M. Livingstone.                         |
| Str. Arabian, George A. Brien.           | Str. Briton, George Holdridge.                          |
| Str. Argo, George Cottrell.              | Str. Brockville, J. F. Stephenson.                      |
| Bge. Argosy, Sam Dixon.                  | Str. Bronson, Luke Mallon.                              |
| Sch. Arthur, Charles Wakeley.            | Str. Brower, A. G., John Morrison.                      |
| Bge. Ashland, Eli Jacques.               | Str. Brown, Fayette, D. Girardin Jr.                    |
| Str. Assiniboia, F. B. Anderson.         | Str. Brown, Harvey H., D. Girardin.                     |
| Str. Athabasca, Alex Brown.              | Str. Brown, J. J. H., F. D. Chamberlin.                 |
| Str. Averell, Wm. J., Wm. Spence.        | Str. Brown, W. W., E. A. Hill.                          |
| Str. Avon, George P. Clifford.           | Bge. Buckhout, B. B., Peter Trudo.                      |
| Str. Aztec, E. F. Mattison.              | Str. Buckley, Edward, Charles Gnewuch.                  |
| Str. Badger State, George F. Recor.      | Bge. Buckley, James, Narcisse La-londe.                 |
| Str. Baker, George F., George Bell.      | Str. Buffalo, John Fisher.                              |
| Str. Ball Brothers, Thomas McDougall.    | Bge. Buffalo, K. Pederson.                              |
| Str. Ball, Frank C., Wesley Brown.       | Str. Bulgaria, E. B. Marquette.                         |
| Sch. Barlum, John J., Charles Staley.    |   |
| Str. Barlum, Thomas, Murray G. McIntosh. |   |
| Sch. Barnes, Bertha, J. P. Clark.        |   |
| Str. Barth, L. L., James Heffernan.      |   |
| Str. Bartow, J. H., E. A. White.         |   |
| Str. Beard, James, George Waugh.         |   |

# APPOINTMENTS OF MASTERS.

- Str. Bunsen, John Gemmell.  
 Str. Burlington, W. H. Williams.  
 Sch. Burma, J. Ferguson.  
 Str. Burnham, Edwin Carus.  
 Sch. Butcher Boy, H. K. Woerpel.  
 Str. Butler, Joseph G., Jr., James Murphy.  
  
 Str. Cadillac, H. A. Murphy.  
 Bge. Cahoon, T. H., T. B. Garey.  
 Str. Caldera, John S. McNeill.  
 Str. Caledonia, P. M. Grant.  
 Str. Calumet, Harry Howard.  
 Str. Calvin, D. D., George Houston.  
 Str. Cambria, F. W. Light.  
 Str. Carbray, Felix, James Beauvais.  
 Str. Caribou, A. A. Batten.  
 Str. Carleton, John A. Smith.  
 Bge. Carney, Fred, Timothy Hunt.  
 Str. Carolina, Con McCauley.  
 Str. Carter, E. D., C. H. Wilson Sr.  
 Str. Carter, W. J., William Ziem.  
 Bge. Case, J. I., Charles Keenan.  
 Str. Caspian, William Bloomfield.  
 Str. Castalia, John F. Jones.  
 Str. Cataract, Louis Prijnt.  
 Str. Cayuga, J. McGiffin.  
 Str. Centurion, J. A. Stewart.  
 Sch. Ceylon, F. Lawrence.  
 Tug Chase, Stephen, D. W. Nettleton.  
 Sch. Chattanooga, M. J. Pidgeon.  
 Str. Chemung, F. R. Gebhard.  
 Str. Cherokee, James Mara.  
 Str. Chicago, Chris Fowler.  
 Str. Chicago, F. D. Osborne.  
 Bge. Chickamangua, Harry W. Phillips.  
 Str. Chicora, H. King.  
 Str. Chicoutimi, W. Gagne.  
 Str. Chippewa, C. Smith.  
 Sch. Chippewa, John McKeigan.  
 Str. Chisholm, Alvah S., Jr., Dan Henderson.  
 Str. Choctaw, P. A. Anderson.  
 Str. Christie, T. S., P. Larsen.  
 Str. Christopher Columbus, C. E. Moody.  
 Str. City of Alpena, M. Lightbody.  
 Str. City of Belleville, A. Black.  
 Str. City of Benton Harbor, A. J. Simons.  
 Str. City of Buffalo, W. H. Smith.  
 Str. City of Chicago, William J. Russell.  
 Str. City of Detroit, A. J. McKay.  
 Str. City of Erie, H. McAlpine.  
 Str. City of Genoa, A. D. Vorce.  
  
 Str. City of Kalamazoo, William McCarty.  
 Str. City of Mackinac, F. J. Simpson.  
 Str. City of Marquette, W. E. Hill.  
 Str. City of Midland, F. G. Moles.  
 Str. City of Naples, D. B. Elsey.  
 Str. City of New York, Daniel Rooney.  
 Str. City of Paris, L. H. Powell.  
 Str. City of Racine, J. A. Willson.  
 Str. City of Rome, C. S. Ellis.  
 Str. City of St. Ignace, Archie McLachlan.  
 Sch. City of Sheboygan, Peter Peterson.  
 Str. City of the Straits, Salem Robinson.  
 Str. City of Toledo, John J. Stover.  
 Str. City of Toronto, A. A. Bellerose.  
 Str. City of Traverse, Ed. Williams.  
 Str. City of Windsor, H. G. Winegrove.  
 Str. Clarion, T. J. Bell.  
 Str. Clyde, J. T. Kinney.  
 Str. Codorus, L. Wright.  
 Str. Coffinberry, H. D., George Forrest.  
 Str. Cole, Thomas F., I. W. Morgan.  
 Str. Colgate, John McGarry.  
 Str. Collingwood, F. A. Bassett.  
 Str. Colonel, A. Ames.  
 Str. Colonial, L. J. Lavelv.  
 Str. Columbia, John Wilkinson.  
 Str. Columbia, Theophile A. Trumpe.  
 Str. Commerce, Edward McNutt.  
 Sch. Commodore, Frank Desot.  
 Str. Conger, O. D., William S. Major.  
 Bge. Connelly Bros., Carl Johnson.  
 Bge. Constitution, P. A. Peterson.  
 Str. Coralia, W. H. Campau.  
 Str. Corey, William E., F. A. Bailey.  
 Str. Cornelius, Adam, John A. Montgomery.  
 Str. Cornell, W. H. Kilby.  
 Str. Cornwell, C. Lavolette.  
 Str. Corona, W. Malcolm.  
 Str. Corona, George McCallum.  
 Str. Corsica, W. E. Stover.  
 Str. Cort, Henry, John Ferguson.  
 Str. Corunna, William Brian.  
 Str. Coulby, Harry, Alex Forbes.  
 Str. Craig, George L., D. M. Duncanson.  
 Str. Cranage, Thomas, Frank B. Powell.  
 Str. Crescent City, Frank Rice.  
 Str. Crete, William A. Williams.  
 Bge. Crete, George Mackie.

# APPOINTMENTS OF MASTERS.

Str. Crowe, G. R., Peter J. Shaw.  
 - Str. Culligan, Henry Richardson.  
 Str. Cumberland, W. S. Ritchie.  
 Str. Curtis, C. F., F. Conlin.  
 Bge. Cutler, D. G., J. Robinson.  
 Str. Davidson, James E., Hugh Stevenson.  
 Str. Davock, William B., Benson Fox.  
 Bge. Dayton, Capt. Briggs.  
 Str. De Graff, L. S., R. H. Pardy.  
 Str. Delaware, Charles Nelson.  
 Bge. Delta, John Bates.  
 Str. Desmond, Joseph Shackett.  
 Str. Detroit, A. J. Huntoon, Russel Aiken.  
 Str. Dewar, John D., J. W. Brooks.  
 Bge. Donaldson, Charles Maples.  
 Str. Donaldson, J. P., Charles Rattray.  
 Str. Donnacona, J. W. Mawdesley.  
 Str. Doric, Samuel Hill.  
 Str. Dormer, Grace, Frank Duffy.  
 Str. Do Ville, R. E., Frank Lamb.  
 Str. Duchess of York, E. P. Shepherd.  
 Str. Duluth, A. R. Graves.  
 Str. Duluth, S. R. Jones.  
 Str. Dundee, Henry Zealand.  
 Str. Dundurn, Robert Cooney.  
 Str. Dunelm, James Grant.  
 Str. Dunn, John, Jr., J. H. Driscoll.  
 Str. Durston, H. F., H. L. Mills.  
 Str. Eads, A. Montague.  
 Str. Eastern States, Duncan McLachlan.  
 Str. Eastland, William McLean.  
 Str. Easton, E. S. Smith.  
 Str. Eddy, C. A., William Morrison.  
 Str. Eddy, John F., C. C. Hanley.  
 Str. Edenborn, C. Geggheimer.  
 Str. Edmonton, H. Maitland.  
 Str. Edwards, William, John E. Stover.  
 Str. Elba, C. H. Woodford.  
 Str. Ella G., David F. Do Ville.  
 Str. Ellwood, I. L., G. H. Cummings.  
 Str. Elphicke, C. W., G. Atkinson.  
 Str. Elva, William Stewart.  
 Str. Emerald, A. T. May.  
 Tug Emerson, Charles Martin.  
 Str. Empire City, James Burr.  
 Str. Empress, F. Elliott.  
 Str. Empress of Midland, Isaac Woolner.  
 Str. Excelsior, Arch Bain.  
 Str. England, R. W., R. W. England.  
 Str. Ericsson, John Noble.  
 Bge. Exile, J. H. Trudo.

Str. Fairbairn, C. J. Grant.  
 Str. Fairmount, P. C. Telfer.  
 Str. Falcon, W. T. Mooney.  
 Str. Farwell, Jesse H., D. A. Curran.  
 Bge. Fassett, T. S., A. O. Henderson.  
 Bge. Filer, D. L., L. Madsen.  
 Str. Fisher, S. M., Fred Johnson.  
 Str. Fitch, W. F., B. W. Landfair.  
 Str. Flagg, George R., A. McArthur.  
 Str. Fleetwood, Alex Johnson.  
 Str. Fletcher, F. W., A. E. Anderson.  
 Bge. Flint, Sam, Alex McLean.  
 Str. Flower, R. P., William Rosie.  
 Str. Ford, J. C., James McLarty.  
 Sch. Ford River, C. Daryaw.  
 Str. Fortune, H. A. Pocock.  
 Str. Foster, Parks, J. W. Ibestor.  
 Bge. Francomb, James Roberson.  
 Str. Frick, H. C., Neil Campbell.  
 Str. Frontenac, F. D. Perew.  
 Bge. Fryer, R. L., Emil Christen.  
 Str. Fulton, C. G. Ennis.  
 Str. Garden City, N. J. Wigle.  
 Str. Garland, Charles Dale.  
 Bge. Garrach, D. M., C. E. Millard.  
 Str. Gary, E. H., Richard Jollie.  
 Str. Gates, J. W., J. A. Walsh.  
 Sch. Gawn, Thomas, J. Lawrence.  
 Sch. Gebhardt, William Duncan.  
 Str. General Garretson, G. Gunderson.  
 Bge. Georger, F. A., W. R. Newton.  
 Str. Georgia, T. G. Baldwin.  
 Str. German, J. C. Bell.  
 Str. Germanic, W. G. Cox.  
 Str. Gettysburg, Norman McGuire.  
 Str. Gilbert, W. H., A. W. Burrows.  
 Str. Gilchrist, Stanton Markle.  
 Str. Gilchrist, F. W., Charles Hinslea.  
 Str. Gilchrist, J. C., A. M. Shepard.  
 Str. Glenellah, George Mackey.  
 Str. Glengarry, C. Robineau.  
 Str. Glenmount, John Wood.  
 Bge. Godfrey, J., Noah Forten.  
 Bge. Golden Age, Walter Stalker.  
 Str. Gould, George J., Walter M. Cottrell.  
 Str. Gowen, A. Y., C. Smith.  
 Str. Grammer, G. J., Thomas Burns.  
 Str. Grand Haven, Charles Lyman.  
 Str. Gratwick, William H., H. Bennett.  
 Str. Great Western, Michael Bausette.  
 Str. Greyhound, Thomas Meikleham.  
 Str. Griffin, W. F. Hormig.



# APPOINTMENTS OF MASTERS.

- Sch. Hackley, C. H., Nels G. Norem.  
 Str. Haddington, George J. Motley.  
 Str. Hall, William Murphy.  
 Str. Hall, Henry B., Samuel V. Anderson.  
 Str. Hall, S. C., Thomas Lillis.  
 Bge. Halsted, John Lundberg.  
 Bge. Hamilton, George Davy.  
 Str. Hand, C. C., T. J. Moran.  
 Str. Hanna, D. R., Samuel B. Massey.  
 Str. Hanna, Howard M., Jr., Thomas Wilford.  
 Str. Hanna, L. C., M. Anderson.  
 Str. Harlow, William J. Harlow.  
 Bge. Harold, Harry Hagenson.  
 Str. Harper, John L. Miskin.  
 Str. Hart, Eugene C., J. F. Roulett.  
 Str. Hart, Fannie C., Gus La Coute.  
 Str. Hart, F. W., R. J. Walder.  
 Bge. Hartnell, George E., Joseph Saunders.  
 Str. Hartwell, F. G., W. G. Maltby.  
 Str. Harvard, A. R. Robinson.  
 Str. Haskell, W. A., G. H. Kinch.  
 Sch. Hattie, Robert Smith.  
 Str. Hayward, A. D., Geo. C. Barnes.  
 Bge. H. B., Alfred Lalonde.  
 Str. Hecker, F. J., M. H. Clark.  
 Str. Hecla, Joseph Richards.  
 Str. Helena, George Dupuis.  
 Str. Helen C., Peter G. Young.  
 Bge. Helvetia, George Bailey.  
 Str. Hemlock, John McNeill.  
 Str. Hennepin, Stephen Brownell.  
 Str. Hiawatha, E. M. Thomas.  
 Str. Hiawatha, R. H. Sturtridge.  
 Str. Hill, J. J., A. J. Talbot.  
 Str. Hilton, Manning Kilton.  
 Str. Hines, L. Edward, H. McKenzie.  
 Str. Holcomb, Ralph T., Edmund Groul.  
 Bge. Hoboken, Henry Newhouse.  
 Bge. Holland, Grace, Michael Nagle.  
 Str. Holland, John Stewart.  
 Bge. Holland, N. C., John O'Brien.  
 Str. Holland, Robert, William Lohr.  
 Sch. Holmes, J. A., E. Erickson.  
 Str. Hoover & Mason, Charles Auttersen.  
 Str. Hopkins, A. L., Alfred Dixon.  
 Str. Houghton, Douglas, John F. Parke.  
 Str. Hubbard, Charles, C. Z. Montague.  
 Str. Huute, Robert C., Ed. D. Skeels.  
 Str. Huron, Neil Anderson.  
 Str. Huron, Oscar Lalonde.  
 Str. Huronic, Robert D. Foote.  
 Sch. Hutchinson, Emma C., John Radigan.  
 Str. Hutchinson, J. T., John A. Logan.  
 Str. Ida E., H. D. Moore.  
 Str. Imperial, Lachlan Morrison.  
 Str. India, Charles Coons.  
 Str. Indiana, Edw. Taylor.  
 Str. International, George I. Carter.  
 Str. International, W. Henry.  
 Str. Iona, Ben Bowen.  
 Str. Ionia, William McLean.  
 Str. Ionic, M. Ironsides.  
 Str. Iowa, William Plummer.  
 Bge. Ireland, Hector Latour.  
 Str. Ireland, R. L., J. P. Minskey.  
 Str. Iron Age, W. J. Willoughby.  
 Bge. Iron City, Richard Moore.  
 Sch. Iron Cliff, John R. Carr.  
 Str. Iron King, James Ross.  
 Bge. Iron Queen, D. A. Maynes.  
 Str. Iroquois, John Williams.  
 Str. Ishpeming, C. A. Anderson.  
 Str. Islander, John Bertrand.  
 Str. Islander, John McCarty.  
 Str. Italia, H. G. Herbert.  
 Bge. Jackson, G. K., Charles Loynes.  
 Str. James, Stanley McQueen.  
 Str. Janet, Henry Cronkhite.  
 Str. Joliet, M. J. Storey.  
 Sch. Jones, C. B., John Nelson.  
 Sch. Judd, H. N. Jex.  
 Str. Juniata, Edward Martin.  
 Str. Jupiter, J. B. Lyons.  
 Str. Kalkaska, Gust Gunderson.  
 Str. Kearsarge, William Baxter.  
 Bge. Keith, Ida, John Mattison.  
 Bge. Kellev, Norman, A. Brant.  
 Str. Kendall, Harvey J., Harvey J. Kendall.  
 Str. Kenora, E. I. Stephen.  
 Str. Kensington, Martin Christy.  
 Str. Kerr, William B., George H. Lane.  
 Str. Keewatin, L. Pyette.  
 Bge. King, C. G., James Hamilton.  
 Str. King Edward, William Bemrose.  
 Str. King, George, Hector Brown.  
 Str. Kingston, H. Esford.  
 Str. Kirby, Frank E., A. J. Fox.  
 Str. Kirby, S. R., Walter Girardin.

# APPOINTMENTS OF MASTERS.

Sch. Kitchen, J. B., J. Bongard.  
 Sch. Knapp, F. M., John Booth.  
 Str. Kopp, Jacob T., M. S. Peterson.  
 Str. Kotcher, Charles W., William H. Hoffman.

Bge. William Brake, Peter La Croix.  
 Str. Lackawanna, M. Boggar.  
 Sch. Lake Forest, Christ Nerdrum.  
 Str. Lake Shore, Duncan Buie.  
 Str. Lakeside, D. J. Enright.  
 Str. Lakeside, J. C. Fox.  
 Str. Langell Boys, E. M. Goodwin.  
 Str. Lansdowne, John Jackson.  
 Str. Lansing, R. Recor.  
 Str. Laprairie, P. McLean.  
 Str. La Salle, W. E. Warner.  
 Bge. Law, Lizzie A., John Lorenzen.  
 Str. Leafield, F. J. Davis.  
 Str. Lehigh, Frank Bloom.  
 Str. Leonard, George B., A. W. Stalker.  
 Str. Leuty, D., Walter B. Warner.  
 Str. Lewiston, Samuel Thurston.  
 Str. Liberty, Austin Harrington.  
 Str. Linn, W. R., George Banker.  
 Str. Livingstone, William, D. P. Craine.  
 Str. Longueuil, I. Daigneault.  
 Bge. Lozen, J. B., J. F. Lozen.  
 Str. Luzon, W. W. Wilkins.  
 Str. Lycoming, William J. Hayes.  
 Str. Lynch, Thomas, E. M. Smith.  
 Str. Lyon, Charles. William Henry.  
 Sch. Lyon, Mary, George Abbott.

Str. McDougall, Alex, John Nahrstadt.  
 Str. McGean, John A., Chas. A. Benham.  
 Bge. McGregor, William, J. E. Sheehar.  
 Str. McIntosh, H. P., F. L. Ennes.  
 Str. McLough, Sydney C., William Sharkey.  
 Str. McVea, Charles, P. S. Roulett.  
 Str. McVittie, A., John Smith.  
 Bge. McWilliams, Ed., A. R. Sharrow.  
 Sch. McLachlan, Mary E., Alex Shambleau.  
 Str. Macassa, James Henderson.  
 Bge. Magnetic, S. Minsky.  
 Str. Magnolia, A. Cuff.  
 Str. Mahoning, George J. Delaney.  
 Str. Maine, William Boot.  
 Sch. Maitland, Alex., Wm. Langell.  
 Str. Majestic, A. M. Wright.

Str. Malietoa, R. F. Humble.  
 Str. Manchester, E. Zwemer.  
 Str. Manistee, George Patterson.  
 Str. M. M. & N. No. 1, W. P. Robertson.  
 Str. Manitoba, John McIntyre.  
 Str. Manitou, Norman McCoy.  
 Str. Manola, S. E. Meeker.  
 Str. M. & B. No. 1, M. M. Rowan.  
 Str. M. & B. No. 2, R. R. McLeod.  
 Str. Maricopa, C. A. Weitzman.  
 Str. Marina, A. E. Bartel.  
 Str. Marion, H. J. Nelson.  
 Str. Mariposa, C. D. Secord.  
 Str. Mariska, A. R. Thompson.  
 Str. Maritana, W. P. McElroy.  
 Str. Mars, John Smith.  
 Str. Marshall, J. D., A. C. Wanwig.  
 Str. Marshall, Maggie, A. Olson.  
 Str. Marshall, Samuel, Herbert M. Russell.  
 Sch. Martin, Maria, John Dorrington.  
 Str. Martin, S. K., Jacob Mariero.  
 Str. Maruba, C. S. Boyce.  
 Bge. Marvin, S. E., Fred Anderson.  
 Str. Mary, J. B. Desgrosellier.  
 Str. Mary, J. M. Pearson.  
 Str. Mary H., J. E. Hess.  
 Str. Maryland, T. Kelley.  
 Str. Masaba, E. L. Sawyer.  
 Str. Mascotte, Burdette J. Roberts.  
 Str. Massachusetts, George T. Inman.  
 Str. Mataafa, H. J. Regan.  
 Str. Mather, Samuel, L. W. Stone.  
 Str. Mather, Samuel, George Burt.  
 Str. Mather, William G., H. H. Parsons.  
 Sch. Mathews, Jennie, Frank Linn.  
 Str. Mathews, W. D., Wm. Wright.  
 Str. Matao, Thomas Wilson.  
 Str. Maud, Charles Weitzman.  
 Str. Maunaloa, J. La Framboise.  
 Str. Maytham, Thomas, B. F. Ogden.  
 Str. Meaford, F. Scott.  
 Str. Mecosta, W. H. Stern.  
 Bge. Melrose, A. Hebert.  
 Sch. Melvina, E. Booth.  
 Bge. Menominee, Adelor Demers.  
 Str. Mercur, Fred, Wm. A. Russell.  
 Str. Merida, M. J. Madden.  
 Str. Merrimac, G. A. McCaulay.  
 Str. Meyer, F. A., Wm. H. Strong.  
 Str. Miami, H. Huyser.  
 Str. Michigan, T. E. Murray.  
 Str. Michigan Central, James Wheelahan.

# APPOINTMENTS OF MASTERS.

- Bge. Middlesex, Archie Grandee.  
 Str. Midland King, James Tindall.  
 Str. Midland Prince, George W. Pearson.  
 Str. Midland Queen, W. H. Cunningham.  
 Str. Miller, P. P., Frank Weinheimer.  
 Str. Mills, David W., Dan Warwick.  
 Str. Mills, D. O., D. H. Mallory.  
 Str. Mills, Robert, C. F. Miller.  
 Str. Mills, William M., J. R. Hesson.  
 Str. Milwaukee, Henry Murphy.  
 Str. Minch, Anna C., Albert Loher.  
 Str. Minch, Philip, L. B. Cummings.  
 Sch. Minerva, Hans Peterson.  
 Bge. Mingoe, A. B. Scott.  
 Str. Minneapolis, Walter Robinson.  
 Str. Mitchell, Samuel, William Hagan.  
 Bge. Miztec, Harry Larsen.  
 Str. Modjeska, P. J. Walsh.  
 Str. Mohawk, H. L. Dennis.  
 Str. Mohegan, James Cunningham.  
 Sch. Monguagon, H. H. Pope.  
 Str. Monteagle, Joseph Parsons.  
 Str. Montreal, F. X. La France.  
 Bge. Moran, David, W. A. Fetterly.  
 Bge. Moravia, Alex Mills.  
 Str. Morgan, J. P., A. P. Chambers.  
 Str. Morley, W. B., Arthur Sturgis.  
 Str. Morrell, D. J., P. L. Millen.  
 Str. Morse, Jay C., A. H. Reel.  
 Str. Morse, S. F. B., E. O. Whitney.  
 Sch. Mowat, Oliver, William Peacock.  
 Str. Mueller, Frank Elliott.  
 Str. Mullen, Martin, U. S. Cody.  
 Str. Muncy, Angus McKenzie.  
 Str. Munro, Josiah G., C. E. Sayre.  
 Str. Murphy, George Bowen.  
 Str. Murray Bay, A. Fortin.  
 Str. Navajo, John Corkey.  
 Str. Neebing, John Ewart.  
 Str. Neepawah, O. Patenaude.  
 Str. Neff, Charles S., John A. Doak.  
 Str. Neff, M. C., Wm. F. Thompson.  
 Str. Neff, S. O., John Eble.  
 Bge. Neil, Fannie, Charles Anderson.  
 Str. Neilson, J. B., T. J. Cullen.  
 Str. Nesho, Andrew Cowie.  
 Str. Neptune, C. C. Stewart.  
 Str. Neshoto, Arnold Evanson.  
 Str. Nessen, N. J., Christ Edwardson.  
 Str. Nettleton, A. E., R. J. Lyons.  
 Str. Nevada, J. Cavanagh.  
 Str. New Island Wanderer, W. C. Hudson.  
 Str. New York, Alex McCowan.  
 Str. Niagara, A. A. Forrest.  
 Str. Nicaragua, James Owens.  
 Str. Niko, William Dishor.  
 Str. Nipigon, J. W. Goodrich.  
 Str. Normania, Oscar Olsen.  
 Bge. Morris, Alice B., Horace Acree.  
 Str. Norseman, W. J. Colwill.  
 Str. Northern King, E. C. Leath.  
 Str. Northern Light, S. B. Worden.  
 Str. Northern Queen, W. H. Stevenson.  
 Str. Northern Wave, D. L. Cartwright.  
 Str. North King, John Jarrell.  
 Str. North Land, John J. Hartman.  
 Str. North Star, George Hayward.  
 Str. North West, George A. Minar.  
 Str. North Wind, E. B. Blair.  
 Str. Norton, David Z., John H. Babbitt.  
 Str. Nottingham, William, Wm. McAlpine.  
 Bge. No. 1, A. H. Bohlin.  
 Str. Nyanza, G. A. Montgomery.  
 Str. Oades, John, H. M. Boyce.  
 Str. Oceanica, F. A. Gould.  
 Str. Odanah, James D. McPherson.  
 Str. Ogdensburg, T. M. Hough.  
 Str. Ogilby, E. W., Nelson Brown.  
 Str. Olympia, A. Perreault.  
 Str. Omaha, Louis Holmes.  
 Str. Ongiara, H. J. McIntyre.  
 Str. Orion, G. H. Scott.  
 Str. Orr, Arthur, John Simons.  
 Str. Orr, George N., Herman Jaenke.  
 Str. Osborne, F. M., F. A. Dupuy.  
 Str. Oscoda, Jay P. Jennings.  
 Str. Osler, E. B., James Ewart.  
 Str. Otis, John, E. J. Donoghue.  
 Str. Ottawa, Alex Birnie.  
 Str. Outing, F. O'Neil.  
 Str. Owana, W. G. Adams.  
 Str. Owego, George W. Moore.  
 Bge. Owen, George B., A. Snelgrove.  
 Str. Owen, John, H. T. Archer.  
 Str. Packer, H. E., Charles Christie.  
 Str. Pahlow, Louis, W. J. McKay.  
 Str. Paine, William A., Emil Detlefs.  
 Str. Paliki, R. H. Boyle.  
 Str. Palmer, William P., Dan McGilvray.

## APPOINTMENTS OF MASTERS.

- Str. Panay, C. H. Wilson Jr.  
 Str. Panther, John Crangle.  
 Str. Pappoose, J. H. Halcro.  
 Str. Parks, O. E., Oscar E. Parks.  
 Str. Pathfinder, James S. Neal.  
 Str. Peck, E. M., T. W. Lawler.  
 Str. Pellatt, H. M., W. H. Anderson.  
 Bge. Pellett, James H., M. Kelley.  
 Sch. Pendell, D., J. Chartran.  
 Bge. Pennington, B. L., T. H. Christie.  
 Str. Pere Marquette, W. H. La Fluer.  
 Str. Pere Marquette No. 3, H. L. Sanders.  
 Str. Pere Marquette No. 4, Melvin Mackey.  
 Str. Pere Marquette No. 5, Thomas Barry.  
 Str. Pere Marquette No. 6, Michael Martin.  
 Str. Pere Marquette No. 14, George McPherson.  
 Str. Pere Marquette No. 17, Joseph Russell.  
 Str. Pere Marquette No. 18, P. Kilty.  
 Str. Pere Marquette No. 19, N. McIsaac.  
 Str. Pere Marquette No. 20, J. C. Ackerman.  
 Str. Perkins, G. W., W. H. Moody.  
 Str. Peters, A. Olson.  
 Str. Phipps, Henry, W. B. McGregor.  
 Str. Pierrepoint, James F. Allen.  
 Str. Pioneer, George Trimble.  
 Str. Pleasure, John Densteadt.  
 Str. Plummer, J. H., William McLean.  
 Str. Poe, Gen. O. M., W. C. Iler.  
 Bge. Pomeroy, S. B., Joseph H. Gillingham.  
 Str. Pontiac, R. A. Caskin.  
 Str. Prentice, J. H., Samuel Olsen.  
 Str. Prescott, A. Dunlop.  
 Str. Presque Isle, F. A. West.  
 Str. Pridgeon, John, Hugh O'Hagan.  
 Str. Princess, W. F. Halcro.  
 Str. Princeton, John Burns.  
 Str. Proctor, William L., Alex McDonald.  
 Str. Promise, Damise Jacques.  
 Str. Pueblo, T. E. Clark.  
 Str. Puritan, W. A. Boswell.  
 Str. Quebec, A. Baker.  
 Bge. Quebec, C. Sauve.  
 Str. Queen City, A. C. Smith.  
 Sch. Quickstep, James Erickson.  
 Str. Ralph, P. J., John Evans.  
 Sch. Ralston, Jane, Charles Osborne.  
 Str. Ramapo, J. A. McDonald.  
 Str. Ramona, E. M. Charlebois.  
 Str. Ranger, Albert Bennhart.  
 Str. Ranney, Rufus P., Henry W. Stone.  
 Str. Rapids King, George Batten.  
 Sch. Rawson, L., John Gilbert.  
 Str. Ream, Norman B., A. C. Chapman.  
 Bge. Redfern, C. E., W. P. Johnson.  
 Str. Regina, Peter McKay.  
 Str. Reliance, J. W. Darling.  
 Str. Republic, W. A. Black.  
 Str. Rend, William P., E. Evans.  
 Str. Rensselaer, S. C. Allen.  
 Str. Rescue, T. J. Lynch.  
 Str. Reynolds, S. C., Fred C. Hill.  
 Str. Rhoda, Emily, Wallace Smith.  
 Sch. Rhodes, D. P., Thos. McGowan.  
 Str. Rhodes, R. R., J. M. Mackin.  
 Str. Rhodes, W. C., George B. Crawford.  
 Str. Richardson, W. C., Enos J. Burke.  
 Str. Rideau King, William Scott.  
 Str. Rideau Queen, E. Fleming.  
 Str. Rochester, Robert Murray.  
 Str. Rockefeller, F., A. G. McLeod.  
 Str. Rogers, H. H., James Leisk.  
 Str. Rogers, William A., J. L. McIntosh.  
 Str. Roman, George Randolph.  
 Str. Roosevelt, Theodore, Donald MacLean.  
 Str. Rosedale, J. L. Baxter.  
 Str. Rosemount, C. Milligan.  
 Str. Ross, Ella, D. B. Christie.  
 Str. Roumania, R. B. Walker.  
 Str. Rugee, John, Daniel Hourigan.  
 Str. Runnels, H. E., F. W. Manuel.  
 Str. Russel, G. H., Charles Hahn.  
 Str. Russia, John C. McLean.  
 Str. Rutland, W. H. Plumb.  
 Str. Sachem, W. D. Randall.  
 Bge. Sagamore, Peter Cartwright.  
 Str. Sahara, William Landon.  
 Str. Sainte Marie, L. R. Boynton.  
 Str. St. Ignace, L. H. Boynton.  
 Str. St. Irene, J. Simard.  
 Sch. St. Joseph, M. Sicken.  
 Str. St. Lawrence, C. H. Kendall.  
 Sch. St. Louis, George Williamson.  
 Str. St. Paul, Peter Thompson.  
 Str. Sappho, George Cruickshank.

# APPOINTMENTS OF MASTERS.

- Str. Saronic, A. L. Campbell.  
 Str. Saturn, A. W. Holmes.  
 Str. Saugatuck, William Turnbull.  
 Str. Saunders, E. N., Pierre Bouille.  
 Str. Sawyer, W. H., M. Canarney.  
 Str. Saxon, George Ames.  
 Str. Saxona, Ernest Warwick.  
 Str. Schroeder, John, W. E. Stuffle-  
 beam.  
 Str. Schuylkill, Joseph Corcoran.  
 Str. Scottish Hero, Peter McIntyre.  
 Str. Scranton, H. W. Stewart.  
 Str. Seguin, James Wilson.  
 Str. Senator, W. K. Nesbit.  
 Str. Schlesinger, F., E. H. Brownell.  
 Str. Schuck, R. E., G. L. Cudeback.  
 Str. Shaw, H. Culp.  
 Str. Sheadle, J. H., S. A. Lyons.  
 Str. Sheboygan, A. C. Voigt.  
 Sch. Sherman, Walter A., Mat Hourri-  
 gan.  
 Str. Sherwin, John, F. A. Goodell.  
 Str. Shores, Adella, Samuel Holmes.  
 Str. Shores, E. A., Jr., George F.  
 Sauer.  
 Str. Sicken, M., John Kuhn.  
 Str. Siemens, William, M. K. Cham-  
 berlain.  
 Str. Sierra, Harold Davidson.  
 Str. Sill, H. S., Alex. Clark.  
 Str. Simla, P. Sullivan.  
 Str. Sinaloa, William McGregor.  
 Str. Smith, B. Lyman, C. D. Wood-  
 ward.  
 Str. Smith, Edward, Charles Miller.  
 Tug Smith, Jane E., F. E. Nettleton.  
 Str. Smith, Hurlbut W., F. H. Reid.  
 Str. Smith, L. C., William H. Blatt-  
 ner.  
 Str. Smith, Lyman C., W. D. Ames.  
 Str. Smith, Monroe C., W. G. Rogers.  
 Str. Smith, Wilbert L., Wesley Rinn.  
 Str. Snyder, William P., Thomas H.  
 Sanders.  
 Str. Socaja, George Warwick.  
 Str. Sonoma, C. M. Haight.  
 Str. Sonora, J. T. Weaver.  
 Str. Soper, Albert, Gustav T. Claussen.  
 Sch. Spademan, C., J. Bond.  
 Str. Spalding, Jesse, James Travis.  
 Str. Stackhouse, Powell, William Mc-  
 garvey.  
 Sch. Stafford, John Rogstad.  
 Str. Stafford, W. R., Theodore Grant.  
 Str. Stanton, John, Charles H. Heaton.  
 Str. Starrucca, John C. Clarks.  
 Str. State of New York, E. Hayward.  
 Str. State of Ohio, William Kinyon.  
 Str. Steel King, W. F. Delaney.  
 Str. Steinbrenner, Henry, G. D. Tul-  
 ian.  
 Str. Stephenson, George, H. G. Har-  
 bottle.  
 Bge. Stephenson, Isaac, Justin Mallet  
 Jr.  
 Str. Stephenson, S. M., James San-  
 ford.  
 Str. Stephenson, I. Watson, L. F.  
 Strahan.  
 Str. Stewart, A. E., Fred Stewart.  
 Str. Stone, Amasa, W. A. Reed.  
 Str. Stormount, H. N. McMaster.  
 Str. Strathcona, J. A. Irving.  
 Str. Street, Charles A., Wm. Dun.  
 Str. Sullivan, I. J., Wm. P. Benham.  
 Str. Sultana, Chester Massey.  
 Str. Superior, Donald Gillies.  
 Str. Superior City, F. J. Crowley.  
 Str. Susquehanna, John McDonald.  
 Bge. Sweetheart, Walter K. Fullum.  
 Str. Sylvania, E. W. Craine.  
 Str. Syracuse, John Kennedy.  
 Str. Syracuse, John W. Mulinix.  
 Str. Tacoma, John Lohr.  
 Str. Tadousac, J. Dugal.  
 Str. Tashmoo, P. S. Baker.  
 Str. Tecumseh, Capt. Cornwall.  
 Str. Tempest No. 2, Wm. P. Quinlan.  
 Str. Terrebonne, A. Valois.  
 Sch. Teutonia, H. Lawrence.  
 Str. Thew, W. P., M. Twombly.  
 Sch. Thompson, A. W., F. C. Hart.  
 Str. Thompson, Smith, Geo W. Pierce.  
 Str. Three Brothers, Sam Christopher.  
 Str. Three Rivers, J. Faubert.  
 Bge. Tilden, S. J., P. H. Edgar.  
 Str. Tioga, C. W. Watson.  
 Str. Tionesta, John Doherty.  
 Str. Topcka, Charles D. Ross.  
 Str. Toronto, E. A. Booth Jr.  
 Str. Tower, C., Jr., F. S. Ellis.  
 Str. Townsends, E. Y., Ed. Sullivan.  
 Str. Transfer, John Craig, George D.  
 Horn.  
 Str. Transport, Fred Wilkinson and  
 William King.  
 Str. Traveler, Roy Burke.  
 Str. Trevor, H. Walker.  
 Str. Troy, Thomas Slattery.  
 Str. Truesdale, William H., George C.  
 Stevenson.

# APPOINTMENTS OF MASTERS.

Str. Turret Cape, R. D. Simpson.  
Str. Turret Chief, H. Boulton.  
Str. Turret Court, Robert McIntyre.  
Bge. Tuxbury, A. C., Peter Ward.  
Bge. Twin Sisters, A. J. Monrod.  
Bge. Tyrone, J. E. Johnson.  
Sch. Tyson, Emma E., N. J. Garlock.

Str. Uganda, D. A. Kendall.  
Bge. Ungava, J. Kirkwood.  
Str. Uranus, Charles Caughell.  
Sch. Uranus, G. A. Shaw.  
Str. Utica, John Davis.

Str. Vail, Walter, Robert T. Evans.  
Str. Vance, F. L., D. L. Vail.  
Str. Van Hise, C. R., Fred Watson.  
Str. Venus, Frank Ott.  
Str. Vermillion, Hugh McCan.  
Str. Verona, James Jackson.  
Str. Veronica, P. Keischgens.  
Str. Victoria, J. C. Barclay.  
Str. Victoria, Peter Williams.  
Str. Victory, Joseph Lowes.  
Str. Viking, John Place.  
Str. Virginia, E. E. Redner.  
Str. Volunteer, R. Call.  
Str. Vulcan, James Buchanan.

Str. Wade, J. H., C. W. Willett.  
Str. Wahcondah, James Woolner.  
Str. Wainwright, D. Elliott.  
Str. Waldo, L. C., John Duddleson.  
Str. Walker, P. G., Ben Moshier.  
Sch. Wall, Charles, Andrew Haganey.  
Str. Wallace, E. L., John McAlpine.  
Str. Wallula, W. N. Borthwick.  
Bge. Warmington, G. H., Sam LeBoeuf.  
Str. Warner, Charles M., Frank C. Folsom.  
Str. Warner, R. S., V. L. Hosner.  
Str. Warren, Homer, Alex Young.  
Sch. Warriner, S. D., George B. Brock.  
Str. Wasaga, M. McKay.  
Str. Watson, C. W., Ed. Mooney.

Str. Watt, James, W. J. Hunt.  
Str. Wau-Kon, ——— Frame.  
Str. Wawatam, H. T. Kelley.  
Str. Weeks, J. L., Peter Full.  
Str. Westcott, J. W., W. G. Inglis.  
Str. Western Star, P. J. Griffin.  
Str. Western States, F. A. Stewart.  
Str. Westmount, Alex Milligan.  
Str. Weston, Charles, J. A. Fleck.  
Str. Wexford, R. C. Irwin.  
Str. Where Now, W. J. Daly.  
Str. Whitaker, Byron, James P. Stewart.  
Str. White, Peter, S. N. Murphy.  
Bge. White & Friant, James Hall.  
Str. Whitney, D. M., W. C. Butts.  
Sch. Whitney, Grace, O. W. Thompson.  
Str. Widener, P. A. B., Fred Hoffman.  
Str. Wiehe, Trude R., D. R. Parsons.  
Str. Wilkinson, Horace S., H. J. Hutchins.  
Sch. Williams, Ellen, Martin Mathisen.  
Str. Williams, G. F., Paul Gutch.  
Str. Willow, Stephen Jones.  
Str. Wilpen, Henry Peterson.  
Bge. Wilson, James Roberson.  
Str. Wilson, Mathew, Charles E. McClure.  
Str. Windsor, John Doyle.  
Str. Winnipeg, Dan McKenzie.  
Str. Winona, Ben Garvey.  
Str. Wisconsin, Joseph Lamoreaux.  
Str. Wissahickon, H. O. Miller.  
Bge. Witbeck, Henry, Justin Mallet Sr.  
Str. Wolvin, A. B., George Reece.  
Str. Wood, J. B., J. C. Byers.  
Sch. Wood, S. A., Ed. Maloney.  
Str. Woodruff, L., Thomas Gibson.  
Str. Woods, Frank, Charles B. Coates.  
Str. Wotan, Jacob Berentson.  
Bge. Wright, A., S. Williams.  
Str. Wright, A. P., B. McGregor.  
Str. Yosemite, C. L. Seelye.  
Str. Zenith City, H. Gegoux.

## APPOINTMENTS OF MASTERS OF LAKE VESSELS.

List of Captains arranged according to names of Captains.

\*Signifies members of Shipmasters' Association of the Great Lakes.

§Car Ferry. †Barge. ‡Schooner.

Abbott, George, Sch. Mary Lyon.  
\*Ackerman, J. C., Str. Pere Marquette  
20.

Acree, Horace, Bge. S. E. Norris.  
Adams, W. G., Str. Owana.  
Aiken, Russel, Str. Detroit.  
Allen, James F., Str. Pierrepont.  
\*Allen, S. C., Str. Rensselaer.  
\*Ames, A., Str. Colonel.  
\*Ames, George, Str. Saxon.  
\*Ames, W. D., Str. Lyman C. Smith.  
Anderson, A. E., Str. F. W. Fletcher.  
\*Anderson, C. A., Str. Ishpeming.  
Anderson, Charles, Bge. Fannie Neil.  
\*Anderson, E. B., Str. Assiniboia.  
Anderson, Fred, Bge. S. E. Marvin.  
\*Anderson, M., Str. L. C. Hanna.  
Anderson, Neil, Str. Huron.  
\*Anderson, P. A., Str. Chocław.  
Anderson, Samuel V., Str. Henry B.  
Hall.

\*Anderson, W. H., Str. H. M. Pellatt.  
Archer, H. T., Str. John Owen.  
Atkinson, G., Str. C. W. Elphicke.  
\*Aulterson, Charles, Str. Hoover &  
Mason.

Babbitt, John H., Str. David Z. Nor-  
ton.

\*Bailey, F. A., Str. William E. Corey.  
Bailey, George, Bge. Helvetia.  
\*Bain, Arch. Str. Excelsior.  
Baker, A., Str. Quebec.  
\*Baker, B. S., Str. Tashmoo.  
Baldwin, T. G., Str. Georgia.  
\*Banker, George, Str. W. R. Linn.  
\*Barclay, J. C., Str. Victoria.  
\*Bartel, A. E., Str. Marina.  
Barry, Thomas, Str. Pere Marquette 5.  
Bassett, F. A., Str. Collingwood.  
Bates, John, Bge. Delta.  
Batten, A. A., Str. Caribou.  
Batten, George, Str. Rapids King.  
Bausette, Michael, Str. Great Western.  
Baxter, J. L., Str. Rosedale.  
Baxter, William, Str. Kearsarge.  
Beauvais, James, Str. Felix Carbray.  
\*Bell, George, Str. George F. Baker.  
Bell, T. J., Str. Clarion.  
Bell, J. C., Str. German.

Bellerose, A. A., Str. City of Toronto.  
Bemrose, William, Str. King Edward.  
\*Benham, Charles A., Str. John A.  
McGeen.

\*Benham, William P., Str. J. J. Sul-  
livan.

\*Bennett, H., Str. William H. Grat-  
wick.

Bennhart, Albert, Str. Ranger.  
Berentson, Jacob, Str. Wotan.  
Bertrand, John, Str. Islander.  
Birnie, Alex, Str. Ottawa.  
Black, A., Str. City of Belleville.  
\*Black, W. A., Str. Republic.  
Blair, E. B., Str. North Wind.  
\*Blattner, William H., Str. L. C.  
Smith.

Bloom, Frank, Str. Lehigh.  
Bloomfield, William, Str. Caspian.  
\*Boggan, M., Str. Lackawanna.  
Bohlin, A. H., — Bge. No. 1.  
Bond, J., Sch. C. Spademan.  
Bongard, J., Sch. J. B. Kitchen.  
Booth, William, Str. Maine.  
Booth, E., Sch. Melvina.  
Booth, E. A. Jr., Str. Toronto.  
Booth, John, Sch. F. M. Knapp.  
Borthwick, W. N., Str. Wallula.  
Boswell, W. A., Str. Puritan.  
\*Bouille, Pierre, Str. E. N. Saunders.  
Boult, H., Str. Turret Chief.  
Bowen, Ben, Str. Iona.  
Bowen, George, Str. Murphy.  
Boyce, C. S., Str. Maruba.  
\*Boyce, H. M., Str. John Oades.  
Boyle, R. H., Str. Paliki.

Boynton, A. H., Str. St. Ignace.  
Boynton, G. W., Str. Algomah.  
Boynton, L. R., Str. Sainte Marie.  
\*Brant, A., Bge. Norman Kelley.  
Brian, William, Str. Corunna.  
Bridges, W. H., Bge. Allegheny.  
Brien, George A., Str. Arabian.  
Briggs, —, Bge. Dayton.  
Brock, George B., Sch. S. D. Warriner.  
Brooks, J. W., Str. John D. Dewar.  
Brown, Alex, Str. Athabasca.  
\*Brown, Hector, Str. George King.  
\*Brown, Nelson, Str. E. W. Oglebay.  
Brown, Wesley, Str. Frank C. Ball.

## APPOINTMENTS OF MASTERS.

- \*Brownell, E. H., Str. F. Schlesinger.
- \*Brownell, Stephen, Str. Hennepin.
- \*Bucanan, James, Str. Vulcan.
- Buie, Duncan, Str. Lake Shore.
- \*Burke, Enos J., Str. W. C. Richardson.
- Burke, Roy, Str. Traveler.
- Burns, George C., Str. A. D. Hayward.
- \*Burns, John, Str. Princeton.
- Burns, Thomas, Str. G. J. Grammer.
- Burr, James, Str. Empire City.
- Burrows, A. W., Str. W. H. Gilbert.
- Burt, George, Str. Samuel Mather.
- Butts, W. C., Str. D. M. Whitney.
- \*Byers, J. C., Str. J. B. Wood.
- \*Call, R., Str. Volunteer.
- \*Campan, W. H., Str. Coralia.
- Campbell, A. L., Str. Saronic.
- Campbell, Neil, Str. H. C. Frick.
- \*Canartney, M. L., Str. W. H. Sawyer.
- Carnegie, R. H., Str. America.
- Carr, John R., Str. Iron Cliff.
- Carter, George J., Str. International.
- Cartwright, D. L., Str. Northern Wave.
- Cartwright, Peter, Bge. Sagamore.
- Carus, Edwin, Str. George Burnham.
- Caughell, Charles, Str. Uranus.
- Cavanagh, J., Str. Nevada.
- Chamberlain, M. K., Str. William Siemens.
- \*Chamberlain, F. D., Str. J. J. H. Brown.
- \*Chambers, A. P., Str. J. P. Morgan.
- \*Chapman, A. C., Str. Norman B. Ream.
- Charlebois, E. M., Str. Ramona.
- Chartran, J., Sch. D. Pendell.
- Christen, Emil, Bge. R. L. Fryer.
- \*Christenson, Anton, Str. Mary H. Boyce.
- \*Christie, Charles, Str. H. E. Packer.
- Christie, D. B., Str. Ella Ross.
- Christie, J. H., Bge. B. L. Pennington.
- \*Christopher, Sam, Sch. Three Brothers.
- Christy, Martin, Str. Kensington.
- \*Clark, Alex., Str. H. S. Sill.
- Clark, J. P., Sch. Bertha Barnes.
- Clark, M. H., Str. F. I. Hecker.
- Clark, T. E., Str. Pueblo.
- \*Clarks, John C., Str. Starrucca.
- Clausson, Gustav T., Str. Albert Soper.
- Clifford, George P., Str. Avon.
- Coates, Charles B., Str. Frank Woods.
- Cody, U. S., Str. Martin Mullen.
- Colwill, W. J., Str. Norseman.
- Conlin, F., Str. C. F. Curtis.
- Cooney, Robert, Str. Dundurn.
- Coons, Charles, Str. India.
- \*Corcoran, Joseph, Str. Schuylkill.
- Corkey, John, Str. Navajo.
- Cornwall, —, Str. Tecumseh.
- \*Cottrell, George, Str. Argo.
- Cottrell, Walter M., Str. George J. Gould.
- Cowie, Andrew, Str. Neosho.
- Cox, W. G., Str. Germanic.
- \*Craig, John, Str. Transport.
- Craine, D. P., Str. William Livingstone.
- Craine, E. W., Str. Sylvania.
- \*Crangle, John, Str. Panther.
- Crawford, George B., Str. W. C. Rhodes.
- Cronkhite, Henry, Str. Japan.
- Crowley, F. J., Str. Superior City.
- Cruickshank, George, Str. Sappho.
- Cudeback, G. L., Str. R. E. Schuck.
- Cuff, A., Str. Magnolia.
- Cullen, T. J., Str. J. B. Neilson.
- \*Culp, H., Str. Shaw.
- Cummings, G. H., Str. I. L. Ellwood.
- Cummings, L. B., Str. Philip Minch.
- \*Cunningham, James, Str. Mohegan.
- Cunningham, W. H., Str. Midland Queen.
- \*Curran, D. A., Str. Jesse H. Farwell.
- Daigneault, L., Str. Longueuil.
- Dale, Charles, Str. Garland.
- Daly, W. J., Str. Where Now.
- Darling, J. W., Str. Reliance.
- Daryaw, C., Sch. Ford River.
- Davidson, Harold, Str. Sierra.
- Davidson, James E., Bge. Stevenson.
- Davis, F. J., Str. Leafield.
- Davis, John, Str. Utica.
- Davy, George, Bge. Hamilton.
- Delaney, George J., Str. Mahoning.
- Delaney, J., Str. Reaverton.
- Delaney, W. F., Str. Steel King.
- Demers, Adolor, Bge. Menominee.
- Dennis, H. L., Str. Mohawk.
- Densteadt, John, Str. Pleasure.
- Desgrosellier, J. B., Str. Mary.
- Desot, Frank, Sch. Commodore.
- \*Detlefs, Emil, Str. William A. Paine.
- \*Disher, William, Str. Niko.
- \*Dixon, Alfred, Str. A. L. Hopkins.
- Dixon, Sam, Bge. Argosy.



# APPOINTMENTS OF MASTERS.

\*Doak, John A., Str. Charles S. Neff.  
 Doherty, John, Str. Tionesta.  
 \*Donoghue, E. J., Str. John Otis.  
 Dorrington, John, Sch. Maria Martin.  
 \*Do Ville, David F., Str. Ella G.  
 Doyle, John, Str. Windsor.  
 \*Driscoll, J. H., Str. John Dunn Jr.  
 \*Duddleson, John, Str. L. C. Waldo.  
 Duffy, Frank, Str. Grace Dormer.  
 Dugal, J., Str. Tadousac.  
 Dun, William, Str. Charles A. Street.  
 Duncan, William, Sch. Gebhardt.  
 \*Duncanson, D. M., Str. George L. Craig.

Dunlop, A., Str. Prescott.  
 Dupuie, George, Str. Helena.  
 \*Dupuy, F. A., Str. F. M. Osborne.

Ehle, John, Str. S. O. Neff.  
 Edgar, P. H., Bge. S. J. Tilden.  
 Edwards, J. K., Sch. Alex Anderson.  
 Edwardson, Christ, Str. N. J. Nessen.  
 Ellery, W. H., Str. Benton.  
 Elliott, D., Str. Wainwright.  
 Elliott, F., Str. Empress.  
 \*Elliott, Frank, Str. Mueller.  
 Ellis, C. S., Str. City of Rome.  
 \*Ellis, F. S., Str. C. Tower Jr.  
 Elsey, D. B., Str. City of Naples.  
 \*England, R. W., Str. R. W. England.  
 Ennes, F. L., Str. H. P. McIntosh.  
 \*Ennis, C. G., Str. Fulton.  
 Enright, D. J., Str. Lakeside.  
 Erickson, E., Sch. J. A. Holmes.  
 Erickson, James, Sch. Quickstep.  
 Esford, H., Str. Kingston.  
 Evans, E., Str. William P. Rend.  
 \*Evans, John, Str. P. J. Ralph.  
 \*Evans, Robert T., Str. Walter Vail.  
 Evanson, Arnold, Str. Neshoto.  
 Ewart, James, Str. E. B. Osler.  
 Ewart, John, Str. Neebing.

Faubert, J., Str. Three Rivers.  
 \*Ferguson, J., Sch. Burma.  
 Ferguson, John, Str. Henry Cort.  
 \*Ferguson, Robert E., Str. Britannia.  
 Fetterly, W. A., Bge. David Moran.  
 Fisher, John, Str. Buffalo.  
 \*Fitch, Edward, Str. B. F. Berry.  
 \*Fleck, J. A., Str. Charles Weston.  
 Fleming, E., Str. Rideau Queen.  
 \*Folsum, Frank C., Str. Charles M. Warner.  
 Foote, Robert D., Str. Huronic.  
 \*Forbes, Alex., Str. Harry Coulby.

Forrest, A. A., Str. Niagara.  
 Forrest, George, Str. H. D. Coffinberry.  
 Forten, Noah, Bge. J. Godfrey.  
 Fortin, A., Str. Murray Bay.  
 Fowler, Chris., Str. Chicago.  
 Fox, A. J., Str. Frank E. Kirby.  
 \*Fox, Benson, Str. William B. Davock.  
 \*Fox, J. C., Str. Lakeside.  
 Frame, —, Str. Wau-Kon.  
 Frederickson, Louis, Sch. George J. Boyce.  
 Full, Peter, Str. J. L. Weeks.  
 Fullum, Walter K., Bge. Sweetheart.

Gagne, W., Str. Chicoutimi.  
 Garey, T. B., Bge. T. H. Cahoon.  
 Garlock, John, Sch. Emma E. Tyson.  
 Garvey, Ben, Str. Winona.  
 Gaskin, R. A., Str. Pontiac.  
 \*Gebhard, F. R., Str. Chemung.  
 Geggenger, C., Str. Edenborn.  
 \*Gegoux, H., Str. Zenith City.  
 Gemmell, John, Str. Bunsen.  
 \*Gibson, James R., Str. Boston.  
 Gibson, Thomas, Str. L. Woodruff.  
 Gilbert, John, Sch. L. Rawson.  
 Gillies, Donald, Str. Superior.  
 Gillingham, Joseph H., Bge. S. D. Pomeroy.  
 Girardin, D. Sr., Str. Harvey H. Brown.  
 \*Girardin, D. Jr., Str. Fayette Brown.  
 \*Girardin, Walter, Str. S. R. Kirby.  
 Gnewuch, Charles, Str. Edward Buckley.  
 \*Goodell, F. A., Str. John Sherwin.  
 Goodrich, J. W., Str. Nipigon.  
 Goodwin, E. M., Str. Langell Boys.  
 Gould, F. A., Str. Oceanica.  
 Grandee, Archie, Bge. Middlesex.  
 \*Grant, C. J., Str. Fairbairn.  
 Grant, James, Str. Dunelm.  
 Grant, P. M., Str. Caledonia.  
 Grant, Theodore, Str. W. R. Stafford.  
 Graves, A. R., Str. Duluth.  
 Griffin, P. J., Str. Western Star.  
 Groul, Edmund, Str. Ralph T. Holcomb.  
 Gunderson, G., Str. Gen. Garretson.  
 \*Gunderson, Gust, Str. Kalkaska.  
 Gutch, Paul, Str. G. F. Williams.  
 Haganey, Andrew, Sch. Charles Wall.  
 \*Hagan, William, Str. Samuel Mitchell.  
 \*Hagenson, Harry, Bge. Harold.

# APPOINTMENTS OF MASTERS.

- Hahn, Charles, Str. G. H. Russel.  
 Haight, C. M., Str. Sonoma.  
 Halcro, J. H., Str. Pappoose.  
 Halcro, W. F., Str. Princess.  
 Hall, James, Bge. White & Friant.  
 Hamilton, James, Bge. C. G. King.  
 Hanley, C. C., Str. John F. Eddy.  
 \*Hanson, John T., Str. C. F. Bielman.  
 Harbottle, H. G., Str. George Stephenson.  
 \*Harlow, William J., Str. Harlow.  
 Harrington, Austin, Str. Liberty.  
 \*Hart, F. C., Sch. A. W. Thompson.  
 \*Hartman, John J., Str. North Land.  
 Hauser, Andrew, Str. Black.  
 Hayes, William J., Str. Lycoming.  
 Hayward, E., Str. State of New York.  
 Hayward, George, Str. North Star.  
 \*Heaton, Charles H., Str. John Stanton.  
 Hebert, A., Bge. Melrose.  
 Hector, J. F., Str. America.  
 Heffernan, James, Str. L. L. Barth.  
 Henderson, A. O., Bge. T. S. Fassett.  
 Henderson, Dan, Str. Alvah S. Chisholm.  
 Henderson, James, Str. Macassar.  
 Henry, W., Str. International.  
 Henry, William, Str. Charles Lyon.  
 Herbert, H. G., Str. Italia.  
 Hess, J. E., Str. Marv H.  
 Hesson, J. R., Str. William M. Mills.  
 Hill, E. A., Str. W. W. Brown.  
 \*Hill, Fred C., Str. S. C. Reynolds.  
 Hill, Samuel, Str. Doric.  
 Hill, W. F., Str. City of Marquette.  
 \*Hinslea, Charles, Str. F. W. Gilchrist.  
 \*Hoag, W. S., Str. Ressemer.  
 Hoffman, Fred, Str. P. A. B. Widener.  
 \*Hoffman, William H., Str. Charles W. Kotcher.  
 \*Holdridge, George, Str. Briton.  
 Holmes, A. W., Str. Saturn.  
 Holmes, Louis, Str. Omaha.  
 Holmes, Samuel, Str. Adella Shores.  
 Hornig, W. F., Str. Griffin.  
 Horn, George D., Str. Transport.  
 \*Hosner, V. L., Str. R. S. Warner.  
 \*Hough, T. M., Str. Ogdensburg.  
 Hourigan, Daniel, Str. John Rugee.  
 Hourigan, Mat, Sch. Walter A. Sherman.  
 Howard, Harry, Str. Calumet.  
 Houston, George, Str. D. D. Calvin.  
 Hudson, W. C., Str. New Island Wanderer.  
 \*Hughes, H. S., Sch. Biwabik.  
 Humble, R. F., Str. Malietoa.  
 Hunt, Timothy, Bge. Fred Carney.  
 \*Hunt, W. J., Str. James Watt.  
 \*Huntoon, A. J., Str. Detroit.  
 Hutchins, H. J., Str. Horace S. Wilkinson.  
 Huyser, H., Str. Miami.  
 \*Ibester, J. W., Str. Parks Foster.  
 \*Iler, W. C., Str. Gen. O. M. Poe.  
 Inglis, W. G., Str. J. W. Westcott.  
 Inman, George T., Str. Massachusetts.  
 Ironsides, M., Str. Ionic.  
 Irwin, R. C., Str. Wexford.  
 Irving, J. A., Str. Strathcona.  
 Ivers, John G., Str. C. F. Bielman, Jr.  
 \*Ivers, J. H., Str. W. K. Bixby.  
 Jackson, James, Str. Verona.  
 Jackson, John, Str. Lansdowne.  
 \*Jacobson, J. E., Str. Adiramled.  
 Jacques, Damise, Str. Promise.  
 Jacques, Eli, Bge. Ashland.  
 Jaenke, Herman, Str. George N. Orr.  
 \*Jagenow, William, Str. Admiral.  
 Jarrell, John, Str. North King.  
 \*Jennings, Jay P., Str. Oscoda.  
 \*Jex, H. N., Sch. Judd.  
 Johnson, Alex., Str. Fleetwood.  
 \*Johnson, Carl, Bge. Connelly Bros.  
 Johnson, Fred, Str. S. M. Fisher.  
 Johnson, J. E., Bge. Tyrone.  
 Johnson, R. E., Bge. Antrim.  
 Johnson, W. P., Bge. C. E. Redfern.  
 \*Jollie, Richard, Str. E. H. Gary.  
 \*Jones, John F., Str. Castalia.  
 Jones, S. R., Str. Duluth.  
 Jones, Stephen, Str. Willow.  
 Jordan, W. C., Str. Agawa.  
 Keenan, Charles, Bge. J. I. Case.  
 Keischgens, P., Str. Veronica.  
 \*Kelley, H. T., Str. Wawatam.  
 Kelley, M., Bge. James H. Pellett.  
 Kellev, T., Str. Maryland.  
 Kendall, C. H., Str. St. Lawrence.  
 Kendall, D. A., Str. Uganda.  
 \*Kendall, Harvey J., Str. Harvey J. Kendall.  
 \*Kennedy, J. A., Str. Andaste.  
 Kennedy, John, Str. Syracuse.  
 Kilby, W. H., Str. Cornell.  
 Kilton, Manning, Str. Hilton.

# APPOINTMENTS OF MASTERS.

Kilty, P., Str. Pere Marquette 18.  
Kinch, G. H., Str. W. A. Haskell.  
King, H., Str. Chicora.  
King, William, Str. Transport.  
Kinney, J. T., Str. Clyde.  
Kinyon, William, Str. State of Ohio.  
Kirkwood, A., Bge. Ungava.  
\*Kuhn, John, Str. M. Sicken.

La Coute, Gus, Str. Fannie C. Hart.  
La Flam, Sam, Sch. James G. Blaine.  
La Fluor, W. H., Str. Pere Marquette.  
\*La Framboise, J., Str. Maunaloa.  
La France, F. N., Str. Montreal.  
Lalonde, Alfred, Bge. H. B.  
Lalonde, Narcisse, Bge. James Buckley.  
Lalonde, Oscar, Str. Huron.  
Lamb, Frank, Str. R. F. Do Ville.  
\*Lamoreaux, Joseph, Str. Wisconsin.  
\*Lampoh, Joseph, Str. Matthew Andrews.  
Landfair, R. W., Str. W. F. Fitch.  
Langell, William, Sch. Alex. Maitland.  
Landon, William, Str. Sahara.  
Lane, George II., Str. William B. Kerr.  
Larsen, Harry, Bge. Miztec.  
\*Larsen, P., Sch. T. S. Christie.  
Latour, Hector, Bge. Ireland.  
Lavelly, L. J., Str. Colonial.  
Laviolette, A., Str. Boucherville.  
Laviolette, C., Str. Cornwell.  
Lawler, T. W., Str. E. M. Peck.  
Lawrence, F., Sch. Ceylon.  
Lawrence, H., Sch. Teutonia.  
Lawrence, J., Sch. Thomas Gawn.  
Leath, E. C., Str. Northern King.  
LeBoeuf, Sam, Bge. G. H. Warming-ton.  
Lehan, J. J., Str. Alaska.  
\*Leisk, James, Str. H. H. Rogers.  
\*Light, F. W., Str. Cambria.  
Lighbody, M., Str. City of Alpena.  
Lillis, Thomas, Str. S. C. Hall.  
Linn, Frank K., Sch. Jennie Mathews.  
Livingstone, M., Str. Britannic.  
\*Lockhart, D. O., Str. Annie Laura.  
Logan, John A., Str. J. T. Hutchin-son.  
Loher, Albert, Str. Anna C. Minch.  
\*Lohr, John, Str. Tacoma.  
Lohr, William, Str. Robert Holland.  
Lorenzen, John, Bge. Lizzie A. Law.  
Loves, Joseph, Str. Victory.  
Loynes, Charles, Bge. G. K. Jackson.  
Lozen, J. F., Bge. J. B. Lozen.  
Lundberg, John, Bge. Halsted.

Lyman, Charles, Str. Grand Haven.  
Lynch, T. J., Str. Rescue.  
\*Lyons, J. B., Str. Jupiter.  
\*Lyons, R. J., Str. A. E. Nettleton.  
\*Lyons, S. A., Str. J. H. Sheadle.  
McAlpine, H., Str. City of Erie.  
\*McAlpine, John, Str. E. L. Wallace.  
\*McAlpine, William, Str. William Not-tingham.  
McArthur, A., Str. George A. Flagg.  
McCallum, George, Str. Corona.  
McCan, Hugh, Str. Vermillion.  
\*McCarty, John, Str. Islander.  
McCarty, William, Str. City of Kala-mazoo.  
\*McCauley, Con. Str. Carolina.  
McClure, Charles E., Str. Mathew Wilson.  
McCowan, Alex., Str. New York.  
McCoy, Norman, Str. Manitou.  
McDonald, Alex., Str. William L. Proc-tor.  
\*McDonald, J. A., Str. Ramapo.  
McDonald, John, Str. Susquehanna.  
McDougall, Thomas, Str. Ball Broth-ers.  
McElroy, W. P., Str. Maritana.  
\*McGarry, John, Str. Colgate.  
McGiffin, J., Str. Cayuga.  
McGillivray, Dan, Str. William P. Pal-mer.  
McGowan, Thomas, Sch. D. P. Rhodes.  
McGregor, B., Str. A. P. Wright.  
\*McGregor, William, Str. Sinaloa.  
\*McGuire, Norman, Str. Gettysburg.  
\*McIntosh, J. L., Str. William A. Rog-ers.  
\*McIntosh, Murray G., Str. Thomas Barlum.  
\*McIntyre, A., Str. A. E. Ames.  
McIntyre, H. J., Str. Ongiara.  
McIntyre, John, Str. Manitoba.  
McIntyre, Peter, Str. Scottish Hero.  
McIntyre, Robert, Str. Turret Court.  
McIsaac, N., Str. Pere Marquette 19.  
\*McKay, A. J., Str. City of Detroit.  
McKay, M., Str. Wasaga.  
McKay, Peter, Str. Regina.  
\*McKay, W. J., Str. Louis Pahlow.  
\*McKeigan, John, Sch. Chippewa.  
McKenzie, Angus, Str. Muncy.  
McKenzie, Dan, Str. Winnipeg.  
McKenzie, K., Str. L. Edward Hines.  
\*McLachlan, Archie, Str. City of St. Ignace.

# APPOINTMENTS OF MASTERS.

\*McLarty, James, Str. J. C. Ford.  
 McLean, Alex, Bge. Sam Flint.  
 \*McLean, John C., Str. Russia.  
 McLean, P., Str. Laorurier.  
 \*McLean, William, Str. Eastland.  
 McLean, William, Str. Ionia.  
 McLean, William, Str. J. H. Plummer.  
 McLeod, A. G., Str. F. Rockefeller.  
 McLeod, R. R., Str. M. & B. No. 2.  
 McMaster, H. N., Str. Stormount.  
 \*McNeill, John, Str. Hemlock.  
 \*McNeill, John S., Str. Caldera.  
 McNutt, Edward, Str. Commerce.  
 McPhee, M., Str. Albert?  
 McPherson, George, Str. Pere Marquette 14.  
 McPherson, James D., Str. Odanah.  
 McQueen, Stanley, Str. James.  
 \*McLachlan, Duncan, Str. Eastern States.  
 Macaulay, G. A., Str. Merrimac.  
 Macgregor, W. B., Str. Henry Phipps.  
 Mackey, George, Str. Glenellah.  
 Mackey, Melvin, Str. Pere Marquette No. 4.  
 Mackie, George, Bge. Crete.  
 Mackin, J. M., Str. R. R. Rhodes.  
 Mackin, William, Str. Brazil.  
 \*MacLean, Donald, Str. Theodore Roosevelt.  
 Madden, J. H., Str. Alva.  
 \*Madden, M. J., Str. Merida.  
 Madsen, L., D. L. Filer.  
 \*Mahon, Walter, Str. Thomas Adams.  
 \*Maitland, H., Str. Edmonton.  
 Major, William S., Str. O. D. Conger.  
 Malcolm, W., Str. Coron?  
 Mallet, Justin, Sr., Bge. Henry Witbeck.  
 Mallet, Justin, Jr., Bge. Isaac Stephenson.  
 Mallon, Luke, Str. Bronson.  
 \*Mallory, D. H., Str. D. O. Mills.  
 Maloney, Ed., Sch. S. A. Wood.  
 Maltby, W. G., Str. F. G. Hartwell.  
 Mandeville, H., Str. Beaupre.  
 \*Manuel, F. W., Str. H. E. Rannels.  
 Maples, Charles, Bge. Donaldson.  
 \*Mara, James, Str. Cherokee.  
 Mariero, Jacob, Str. S. K. Martin.  
 \*Markle, Stanton, Str. Gilchrist.  
 Marquette, E. B., Str. Bulgaria.  
 Martin, Charles, Tug Emerson.  
 \*Martin, Edward, Str. Juniata.

Martin, Michael, Str. Pere Marquette No. 6.  
 Massey, Chester, Str. Sultana.  
 \*Massey, Samuel B., Str. D. R. Hanna.  
 Mathisen, Martin, Sch. Ellen Williams.  
 \*Mattison, E. F., Str. Aztec.  
 Mattison, John, Bge. Ida Keith.  
 Mawdesley, J. W., Str. Donnacona.  
 \*May, A. T., Str. Emerald.  
 \*Maynes, D. A., Sch. Iron Queen.  
 \*Meeker, S. E., Str. Manola.  
 Megarvey, William, Str. Powell Stackhouse.  
 \*Meikleham, Thomas, Str. Greyhound.  
 Millard, C. E., Bge. D. M. Garrach.  
 \*Millen, P. L., Str. D. J. Morrell.  
 Miller, C. F., Str. Robert Mills.  
 \*Miller, Charles, Str. Edward Smith.  
 \*Miller, H. O., Str. Wissahickon.  
 Milligan, Alex., Str. Westmount.  
 Milligan, C., Str. Rosemount.  
 Mills, Alex., Bge. Moravia.  
 Mills, H. L., Str. H. F. Durston.  
 Minar, George A., Str. North West.  
 \*Minskey, J. P., Str. R. L. Ireland.  
 Minskey, S., Bge. Magnetic.  
 Miskin, L., Str. John Harper.  
 Moles, F. G., Str. City of Midland.  
 Mondor, A., Str. Berthier.  
 Monrod, A. J., Bge. Twin Sisters.  
 Montague, A., Str. Eads.  
 Montague, C. Z., Str. Charles Hubbard.  
 Montgomery, G. A., Str. Nyanza.  
 Montgomery, John A., Str. Adam Cornelius.  
 Montpetit, A., Str. Bothnia.  
 \*Moody, C. E., Str. Christopher Columbus.  
 \*Moody, W. H., Str. G. W. Perkins.  
 \*Mooney, Ed., Str. C. W. Watson.  
 \*Mooney, W. T., Str. Falcon.  
 Moore, George W., Str. Owego.  
 Moore, H. D., Str. Ida E.  
 Moore, Richard, Bge. Iron City.  
 Moran, T. J., Str. C. C. Hand.  
 \*Morgan, J. W., Str. Thomas F. Cole.  
 \*Morrison, John, Str. A. G. Brower.  
 Morrison, Lachlan, Str. Imperial.  
 Morrison, William, Str. C. A. Eddy.  
 \*Moshier, Ben, Str. P. C. Walker.  
 Motley, George J., Str. Haddington.  
 Mulinix, John W., Str. Syracuse.  
 Murphy, H. A., Str. Cadillac.  
 \*Murphy, Henry, Str. Milwaukee.

# APPOINTMENTS OF MASTERS.

Murphy, James, Str. Joseph G. Butler.  
 \*Murphy, S. N., Str. Peter White.  
 Murphy, William, Str. Hall.  
 Murray, Robert, Str. Rochester.  
 Murray, T. E., Str. Michigan.

Nagle, Michael, Bge. Grace Holland.  
 Nahrstedt, John, Str. Alex. McDougall.  
 \*Neal, James S., Str. Pathfinder.  
 Nelson, Charles, Str. Delaware.  
 Nelson, H. J., Str. Marion.  
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 Patterson, George, Str. Manistee.  
 Peacock, William, Sch. Oliver Mowat.  
 Pearson, George W., Str. Midland Prince.  
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 Pederson, K., Bge. Buffalo.  
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 Peterson, Hans, Sch. Minerva.  
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Radigan, John, Sch. Emma C. Hutchinson.  
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 Reed, A. H., Str. Jay C. Morse.  
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# APPOINTMENTS OF MASTERS.

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 \*Ross, James, Str. Iron King.  
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\*Williams, William A., Str. Crete.

Williamson, George, Sch. St. Louis.

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Wilson, C. H., Sr., Str. E. D. Carter.

\*Wilson, C. H., Jr., Str. Panay.

Wilson, J. A., Str. City of Racine.

Wilson, James, Str. Sequin.

Wilson, Thomas, Str. Mataoa.

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Wood, John, Str. Glenmount.

\*Woodford, C. H., Str. Elba.

\*Woodward, C. D., Str. B. Lyman Smith.

Woodward, T. K., Sch. Abyssinia.

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\*Young, Peter G., Str. Helen C.

\*Zealand, Henry, Str. Dundee.

Ziem, William, Str. W. J. Carter.

Zweiner, E., Str. Manchester.

# CONTENTS.

	Page.
A Few Introductory Remarks.....	2
Grand Lodge Officers.....	4
Association Headquarters in Various Cities.....	5
Storm Signals.....	8
Calendar for 1908.....	9
Aims and Objects of Shipmasters' Association—Extracts from Constitution, Etc.....	10
Names and Addresses, Members of Shipmasters' Association.....	11
Names and Addresses, Associate Members of Shipmasters' Association.....	32
Members Arranged According to Pennant Numbers.....	34
American Steam and Sail Vessels of the Great Lakes.....	82
Canadian Steam and Sail Vessels of the Great Lakes.....	180
Endowment Fund in 1907.....	339
In Memory—List of Departed Brothers.....	340
Report of Committee on Memorial.....	341
Grand President's Report.....	342
Address of Past Grand President Clark.....	343
Major Judson's Address.....	344
Signals, Deck and Engine Room.....	346
Great Lighthouse Institution.....	346
Life-Saving Stations on the Lakes.....	348
Different Strains in a Ship, Charles A. Potter.....	349
Canals from Lakes to Atlantic.....	353
Azimuths, a Correction of Compass Courses, Arthur Dovale.....	356
Conversion of Geographical or Statute Miles into Nautical or Sea Miles.....	358
Conversion of Nautical or Sea Miles into Geographical or Statute Miles.....	359
United States Hydrographic Office.....	360
Wind Signals on Lake Superior.....	360
Bridge Signals.....	360
Canada's St. Lawrence Route Canals.....	362
Table for Converting Compass Courses into Degrees, Minutes and Seconds, Frank Henrich.....	363
Table of Wages.....	365
Strength of Chain Cable as Tested in 15-Fathom Lengths, Capt. T. A. Ellery.....	366
Dry Docks of the Great Lakes.....	367
Strength of Plain Laid Rope of Three Strands, Capt. T. A. Ellery.....	369
Comparative Freight Rates, Grain per Bushel, Iron Ore per Gross Ton.....	370
Knots of All Kinds.....	371
Vessel Time Card and Distance Table of Lake Ports.....	373
Compass Courses and Distances.....	375
Detroit River Postal Service.....	377
Hints to Masters, Capt. Henry Leisk.....	378
The Use of the Bearing Indicator.....	380
To Find a Ship's Distance from a Point of Land, Capt. F. B. Higgie.....	382
Table for Finding the Distance of an Object by Tow Bearings.....	383
Pilot Rules for the Great Lakes.....	385
Rules and Regulations for Navigating the Lower Detroit River.....	393
Rules and Regulations for Navigating the St. Clair River.....	395
Rules of the Road for the Great Lakes, Known as the White Law.....	396
Steering and Sailing Rules.....	399
Navigation of St. Mary's River.....	402
Appointments of Masters of Lake Vessels—	
Arranged According to Names of Vessels.....	407
Arranged According to Names of Captains.....	416



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## LIST OF ILLUSTRATIONS.

	Page.
Portrait of President McIntosh.....	3
Portraits of Past Presidents.....	4
Grand Lodge Shipmasters' Association.....	7
Storm Signals.....	8
Calendar for 1908.....	9
Effect of Water Pressure on a Ship.....	350
Canada's St. Lawrence Route Canals.....	362
Knots of All Kinds.....	372
One and a-half, Two and Three Point Bearings.....	380
The Four Point Bearing.....	381
The Cross Bearing.....	382
Finding a Ship's Distance from a Point of Land.....	382
Pilot Rules for the Great Lakes, First Situation.....	390
Pilot Rules for the Great Lakes, Second Situation.....	390
Pilot Rules for the Great Lakes, Third Situation.....	391
Pilot Rules for the Great Lakes, Fourth Situation.....	391
Pilot Rules for the Great Lakes, Fifth Situation.....	392
Pilot Rules for the Great Lakes, Sixth Situation.....	392

## INDEX TO ADVERTISERS

### ALLOUEZ BAY, MICH.

Friedman & Arcenau, Grocers.... 311

### ALPENA, MICH.

Bedford & Co., M. N., Fuel Dock 336

Gilchrist & Fletcher, Towing, 329

Wrecking..... 329

Kannowski, August, Meats..... 329

Muellerweiss, Grocer..... 329

Manion Bros., Groceries, Meats, Ice 250

### ASHLAND, WIS.

Marx & Son, S., Meats..... 329

### ASHTABULA, O.

Burrill, E. H., Meats, Ice..... 320

Cheney-Sons, P. H., Grocers, Ship

Chandlers..... 314

Devney, Henry J., Ship Builder.. 305

McKinnon Iron Works, Vessel

Work, Supplies..... 305

Sheldon, G. F., Fuel Dock..... 314

Topky Bros., Ship Chandlers..... 271

Turner & Co., J. G., Druggists... 305

### ASHTABULA HARBOR, O.

Christensen Co., William, News

Stand, Tobacco..... 306

Lisle, W., "Scotty," Clothing, To-

bacco, Stationery..... 314

Marshall, J. E., Electrical Engi-

neering..... 283

Miller, E. S., Grocer..... 305

Rennick, Tom J., Meats..... 320

### BUFFALO, N. Y.

Baker & Co., Howard H., Ship

Chandlers and Sail Makers..... 240

Boland & Cornelius, Vessel Own-

ers, Brokers, Marine Insurance.. 319

Brown & Co., Lake Transportation 311

Brown, Harvey L., Proctor in Ad-

miralty..... 330

Buffalo Employment Agency, Craig

& Sinden, Help Furnished..... 322

Buffalo Nautical School, F. Alan

Gould..... 319

Castle Inn, E. H. Taft, Mgr..... 269

Connolly Bros. & Co., Ship Chand-

lers..... 330

Dearborn Drug & Chemical Works,

Boiler Compounds..... 51

Degenhart & Co., Sheet Metal Work-

ers..... 322

Diebolt Bros., Groceries..... 263

Doyle, Peter T., Liquors..... 307

Eagle Tailor, I. A. Grodzinsky.... 240

Empire Shipbuilding Co..... 244

Frontier Engine Works..... 299

Gehm, John, Meats..... 257

Graham, William, Grocer..... 307

Great Lakes Supply Co., Ship

Chandlery..... 244

Gunn, P. J., Grocer.....	309
Hedstrom, E. L., Fuel.....	247
Hotel Broezel, John E. Boldt, Prop.	319
Hotel Cheltenham, J. H. Arnholt, Prop.	312
Hotel Statler.....	235
Howard Bros. Boiler Works.....	248
Hussey Bros., Meats.....	307
Kinnear, James, General Blacksmith.....	322
Lang, Gerhard, Meats.....	309
McCutcheon, C. H., Engineers' Supplies.....	44
McGrath & Bisgood, Bedding.....	313
Mahaney's Son, Grocer.....	309
Mahoney & Sons, Daniel, Commercial Oil Co., Oil, Engineers' Supplies.....	247
Mansion House, Jos. R. Diebold, Mgr.....	239
Meadows, Williams & Co., Brokers.....	426
Naab & Co., Tailors.....	299
Nelligan, David J., Groceries.....	239
Persons, Dr. A. E.....	312
Ranahan & Kropman, Tailors.....	311
Rogers, Combination Feed Water Heater.....	62
Russell & Watson, Iron Works.....	307
Saperston, J. L., Tailor.....	330
Schermerhorn & Kuehner, Sheet Metal Workers.....	300
Sheehan, Michael, Liquors.....	319
Smith, Davis & Co., Underwriters.....	264
Smith, Junius S., Weighmaster.....	309
Stafford, The. Charles G. Thorn, Mgr., Hotel.....	312
Superior Laundry Co., J. A. Farrell.....	330
Tashenberg Bros., Buffalo Boiler Works.....	299
Taylor, George R., Meats.....	322
Trout, H. G., King Iron Works, Engines, Propellers.....	263
White & Stanley, Proctors, Attorneys.....	299
Whitman Mfg. Co., Machinists.....	246
Williams & Co., Frank, Fuel Dock and Lighter.....	312
Worthington & Sill, Underwriters.....	264
Young, William H., News Stand, Cigars.....	338

## CHEBOYGAN, MICH.

Cheboygan Towing & Wrecking Co.	336
McArthur Dock, M. D. Olds, Prop., Fuel.....	336

## CHICAGO, ILL.

Alling, W. T., Asbestos Composition Floors.....	248
Anderson, Gilbert, Ship Builder.....	236
Asbestos Composition Flooring Co.	234
Banner, Thomas B., Engineers' Supplies.....	249
Bates & Co., J. B., Ship Yard.....	303
Briggs House, William Neindorf, Mgr.....	256
Calbick & Co., J. A., Vessel Agents, Underwriters.....	325
Carpenter & Co., George B., Ship Chandlers and Sail Makers.....	66
Chicago Nautical School, W. J. Wilson.....	335
Colonial Hotel, N. Barsaloux, Mgr.	325
Cook & Chick, Engineers' Supplies	48
Corbett & Co., George E., Boiler Makers.....	249
Cringle, Fred, Laundry, Cigars.....	280
Dearborn Drug & Chemical Works, Boiler Compounds.....	51
Doerfling, Capt. Gus. F., Junk.....	355
Elphicke & Co., C. W., Vessel Agents, Underwriters.....	280
Foss, H. A., Board of Trade Weighmaster.....	303
Harding, John P., Buffet.....	256
Independent Ship Yard Co.....	237
Kling Bros., Machinery and Boiler Works.....	303
Lenert, Joseph, Groceries, Meats.....	313
Mohr & Sons, John, Boiler Makers.....	64
Paul & Co., J. C., Burnishine Metal Polish.....	251
Pratt Boiler & Machine Co., Henry Prindiville & Sons, John, Vessel and Insurance Agents.....	280
Schindler, A. J., Machinist.....	284
Smeby, S. E., Meats.....	338
Stock Yards Packing Co., Meats, Groceries, Ice.....	237
Sullivan & Co., D., Vessel Agents	280
Sullivan, T. M., Groceries, Meats	320
Westerfeld's, Meats.....	335

## CLEVELAND, O.

American House, Isaac Reynolds, Prop.....	323
American Shipbuilding Co.....	65
Bennet & Fish, Clothing Store.....	313
Bowman Co., George H., Crockery, Glassware.....	337

Brogan, J. P., Grocer, Marine Supplies	73
Chandler Co., H. I., Tailors	337
Chisholm & Moore Mfg. Co., Hatch Fasteners, Chain Hoists, Trolleys	261
Citizens Savings & Trust Co.	270
Goulder, Holding & Masten, Proctors in Admiralty	265
Great Lakes Towing Co., Tugs	60
Guardian Savings & Trust Co.	268
Hausheer & Sons Co., Ship Chandlery	56
Hotel Bethel, T. Fitzpatrick, Mgr.	285
Hoyt, Dustin, Kelley, McKeehan & Andrews, Proctors in Admiralty	270
Karr & Mitchell, Ship Chandlery	46
Leopold Furniture Co., Henry	269
Lytle & Co., G. H., Decorators	337
McWatters-Dolan Co., Clothing Store	323
Mayer's Restaurant, A. C. Carter, Mgr.	262
Mireau Laundry Co.	323
Mitchell & Co., Vessel and Insurance Agents	337
Penton Publishing Co., Course Finder	69
Pickands, Mather & Co., Coal	57
Pittsburgh Coal Co., Fuel	63
Randerson & Son, Meats	56
Sterling & Welch Co., Carpets, Curtains	323
Superior Savings & Trust Co.	268
Upson-Walton Co., Ship Chandlery	47
Williams & Rodgers Co., Department Store	78

## CONNEAUT, O.

Kurtz, H. B., Jeweler, Optician	283
Marshall, J. E., Electrical Engineering	283
Pelton, Arvine W., Department Store	283

## DETROIT, MICH.

Acme White Lead & Color Works, Paints and Varnishes	59
Anderson Mfg. Co., Kenneth, Engineers' Supplies	301
Berry Bros., Ltd., Varnish	49
Central Paint & Glass Co.	70
D., B. I. & W. Ferry Co., Passenger Steamers	251
Detroit Savings Bank	258
Detroit Shipbuilding Co.	77
Dime Savings Bank	258

Edwards & Co., H. D., Ship Supplies	53
Elliott & Co., William H., Department Store	76
Garlick, J. H., Jewelry	294
Gilligan, Charles A., Groceries	254
Goss Co., J. C., Sail Makers	304
Grand Laundry	81
Great Lakes Engineering Works, Shipbuilding	77
Greenwood, Atkinson, Armstrong Co., Uniform Makers	254
Hartz Co., John C., Clothing Store	294
Hickey, Edward J., Clothing, Shoes	278
Home Savings Bank	255
Hudson Co., J. L., Department Store	278
Hurley's Coal Dock	73
Jacobsen, C. M., Launch Tops, Cushions, Etc.	321
Kolbe, W. H., Grocery	238
Larabell, N. A., Groceries, Meats, Ice, Laundry	294
McMillan Co., G. & R., Boat Supplies	272
Merker & Son, Hermann, Groceries, Meats	301
Oades, Walter H., Ship Builder	301
Parker Bros. Co., Fuel, Insurance	76
Peoples State Bank	255
Smith & Co., Stanley B., Coal Dock	272
Taube, Herman, Jr., Meats	301
Union Trust Co., Banking	68
Young Bros. Co., Sheet Metal Workers	261

## DOLLAR BAY, MICH.

Baer Bros., Meats, Groceries	311
------------------------------	-----

## DULUTH, MINN.

Rathbun, R. H., Grocer	302
------------------------	-----

## ERIE, PA.

American Boiler Works, F. J. Tol-lon	285
Baker & Son, Isaac, Clothing Store	288
Beckman & Son, Henry, Grocers and Ship Chandlers	71
Beckman, William, Groceries, Engineers' Supplies	71
Majestic Shoe Shop	275
Marks & Co., Charles S., Clothing Store	288
Meiser, Fred C., Meats	262
Pittsburg & Erie Coal Co.	285
Siegel Bros., Meats	285
U. S. Laundry	288

